API Documentation

To create a client we advise you to read the Moodle web service client documentation

Print all

auth_email_get_signup_settings

Get the signup required settings and profile fields.

Arguments

Response

```
General structure

object {
namefields list of (
string   //The order of the name fields
)passwordpolicy string  Optional //Password policy
sitepolicy string  Optional //Site policy
sitepolicyhandler string  Optional //Site policy handler
defaultcity string  Optional //Default city
country string  Optional //Default country
profilefields  Optional //Required profile fields
list of (
object {
id int  Optional //Profile field id
shortname string  Optional //Profile field shortname
name string  Optional //Profield field name
datatype string  Optional //Profield field datatype
description string  Optional //Profield field description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
categoryid int  Optional //Profield field category id
categoryname string  Optional //Profield field category name
sortorder int  Optional //Profield field sort order
required int  Optional //Profield field required
locked int  Optional //Profield field locked
visible int  Optional //Profield field visible
forceunique int  Optional //Profield field unique
signup int  Optional //Profield field in signup form
defaultdata string  Optional //Profield field default data
defaultdataformat int   //defaultdata format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
param1 string  Optional //Profield field settings
param2 string  Optional //Profield field settings
param3 string  Optional //Profield field settings
param4 string  Optional //Profield field settings
param5 string  Optional //Profield field settings
}
)recaptchapublickey string  Optional //Recaptcha public key
recaptchachallengehash string  Optional //Recaptcha challenge hash
recaptchachallengeimage string  Optional //Recaptcha challenge noscript image
recaptchachallengejs string  Optional //Recaptcha challenge js url
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [namefields] =>
        Array
            (
            [0] => string
            )
    [passwordpolicy] => string
    [sitepolicy] => string
    [sitepolicyhandler] => string
    [defaultcity] => string
    [country] => string
    [profilefields] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [shortname] => string
                    [name] => string
                    [datatype] => string
                    [description] => string
                    [descriptionformat] => int
                    [categoryid] => int
                    [categoryname] => string
                    [sortorder] => int
                    [required] => int
                    [locked] => int
                    [visible] => int
                    [forceunique] => int
                    [signup] => int
                    [defaultdata] => string
                    [defaultdataformat] => int
                    [param1] => string
                    [param2] => string
                    [param3] => string
                    [param4] => string
                    [param5] => string
                    )
            )
    [recaptchapublickey] => string
    [recaptchachallengehash] => string
    [recaptchachallengeimage] => string
    [recaptchachallengejs] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="namefields">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="passwordpolicy">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="sitepolicy">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="sitepolicyhandler">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="defaultcity">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="country">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profilefields">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="datatype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="required">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="locked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="forceunique">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="signup">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="defaultdata">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="defaultdataformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="param1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param3">
                        <VALUE>string</VALUE>
                    </KEY>
```


?

```
                    <KEY name="param4">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param5">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="recaptchapublickey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="recaptchachallengehash">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="recaptchachallengeimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="recaptchachallengejs">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

No

Callable from AJAX

Yes

auth_email_signup_user

Adds a new user (pendingto be confirmed) in the site.

Arguments

username (Required)

Username

?

```
General structure

string   //Username
```

```
XML-RPC (PHP structure)

[username] => string
```

```
REST (POST parameters)

username= string
```

password (Required)

Plain text password

```
General structure

string   //Plain text password
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

firstname (Required)

The first name(s) of the user

```
General structure

string   //The first name(s) of the user
```

```
XML-RPC (PHP structure)

[firstname] => string
```

```
REST (POST parameters)

firstname= string
```

lastname (Required)

The family name of the user

```
General structure

string   //The family name of the user
```

```
XML-RPC (PHP structure)

[lastname] => string
```

```
REST (POST parameters)

lastname= string
```

email (Required)

A valid and unique email address

?

```
General structure

string   //A valid and unique email address
```

```
XML-RPC (PHP structure)

[email] => string
```

```
REST (POST parameters)

email= string
```

city (Default to "")

Home city of the user

```
General structure

string  Default to "" //Home city of the user
```

```
XML-RPC (PHP structure)

[city] => string
```

```
REST (POST parameters)

city= string
```

country (Default to "")

Home country code

```
General structure

string  Default to "" //Home country code
```

```
XML-RPC (PHP structure)

[country] => string
```

```
REST (POST parameters)

country= string
```

recaptchachallengehash (Default to "")

Recaptcha challenge hash

```
General structure

string  Default to "" //Recaptcha challenge hash
```

```
XML-RPC (PHP structure)

[recaptchachallengehash] => string
```

```
REST (POST parameters)

recaptchachallengehash= string
```

recaptcharesponse (Default to "")

Recaptcha response

?

```
General structure

string  Default to "" //Recaptcha response
```

```
XML-RPC (PHP structure)

[recaptcharesponse] => string
```

```
REST (POST parameters)

recaptcharesponse= string
```

customprofilefields (Default to "Array ( ) ")

User custom fields (also known as user profile fields)

```
General structure

 Default to "Array
(
)
" //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field
name string   //The name of the custom field
value string   //Custom field value, can be an encoded json if required
}
)
```

```
XML-RPC (PHP structure)

[customprofilefields] =>
    Array
        (
        [0] =>
            Array
                (
                [type] => string
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

customprofilefields[0][type]= string
customprofilefields[0][name]= string
customprofilefields[0][value]= string
```

redirect (Default to "")

Redirect the user to this site url after confirmation.

```
General structure

string  Default to "" //Redirect the user to this site url after confirmation.
```

```
XML-RPC (PHP structure)

[redirect] => string
```

```
REST (POST parameters)

redirect= string
```

Response

?

General structure

```
object {
success int   //True if the user was created false otherwise
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [success] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
No

Callable from AJAX
Yes

block_accessreview_get_module_data

Gets error data for course modules.

Arguments
courseid (Required)

The course id to obtain results for.

```
General structure

int   //The course id to obtain results for.
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

list of (
object {
cmid int   //ID
numerrors int   //Number of errors.
numchecks int   //Number of checks.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [cmid] => int
                [numerrors] => int
                [numchecks] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="cmid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numerrors">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numchecks">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

block_accessreview_get_section_data

Gets error data for course sections.

Arguments

courseid (Required)

The course id to obtain results for.

```
General structure

int   //The course id to obtain results for.
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

list of (
object {
section int   //ID
numerrors int   //Number of errors.
numchecks int   //Number of checks.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [section] => int
                [numerrors] => int
                [numchecks] => int
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="section">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numerrors">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numchecks">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

block_recentlyaccesseditems_get_recent_items

List of items a user has accessed most recently.

Arguments

limit (Default to "0")

result set limit

?

```
General structure

int  Default to "0" //result set limit
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

Response

The most recently accessed activities/resources by the logged user

```
General structure

  //The most recently accessed activities/resources by the logged user
list of (
object {
id int   //id
courseid int   //courseid
cmid int   //cmid
userid int   //userid
modname string   //modname
name string   //name
coursename string   //coursename
timeaccess int   //timeaccess
viewurl string   //viewurl
courseviewurl string   //courseviewurl
icon string   //icon
purpose string   //purpose
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [cmid] => int
                [userid] => int
                [modname] => string
                [name] => string
                [coursename] => string
                [timeaccess] => int
                [viewurl] => string
                [courseviewurl] => string
                [icon] => string
                [purpose] => string
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cmid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="modname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="coursename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseviewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="icon">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="purpose">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

block_starredcourses_get_starred_courses

Get users starred courses.

Arguments

?

limit (Default to "0")

Limit

```
General structure

int  Default to "0" //Limit
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

offset (Default to "0")

Offset

```
General structure

int  Default to "0" //Offset
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

Response

```
General structure

list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [shortname] => string
            [idnumber] => string
            [summary] => string
            [summaryformat] => int
            [startdate] => int
            [enddate] => int
            [visible] => int
            [showactivitydates] => int
            [showcompletionconditions] => int
            [pdfexportfont] => string
            [fullnamedisplay] => string
            [viewurl] => string
            [courseimage] => string
            [progress] => int
            [hasprogress] => int
            [isfavourite] => int
            [hidden] => int
            [timeaccess] => int
            [showshortname] => int
            [coursecategory] => string
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_admin_set_block_protection

Set the protection state for a block plugin

Arguments

plugin (Required)

The name of the plugin

```
General structure

string   //The name of the plugin
```

```
XML-RPC (PHP structure)

[plugin] => string
```

```
REST (POST parameters)

plugin= string
```

state (Required)

The target state

```
General structure

int   //The target state
```

```
XML-RPC (PHP structure)

[state] => int
```

```
REST (POST parameters)

state= int
```

Response

```
General structure

object {
}
```

?

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_admin_set_plugin_order

Set the order of a plugin

Arguments

plugin (Required)

The name of the plugin

```
General structure

string   //The name of the plugin
```

```
XML-RPC (PHP structure)

[plugin] => string
```

```
REST (POST parameters)

plugin= string
```

direction (Required)

The direction to move

```
General structure

int   //The direction to move
```

?

```
XML-RPC (PHP structure)

[direction] => int
```

```
REST (POST parameters)

direction= int
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_admin_set_plugin_state

Set the state of a plugin

Arguments

plugin (Required)

The name of the plugin

```
General structure

string   //The name of the plugin
```

?

```
XML-RPC (PHP structure)

[plugin] => string
```

```
REST (POST parameters)

plugin= string
```

state (Required)

The target state

```
General structure

int   //The target state
```

```
XML-RPC (PHP structure)

[state] => int
```

```
REST (POST parameters)

state= int
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes ?

core_auth_confirm_user

Confirm a user account.

Arguments

username (Required)

User name

```
General structure

string   //User name
```

```
XML-RPC (PHP structure)

[username] => string
```

```
REST (POST parameters)

username= string
```

secret (Required)

Confirmation secret

```
General structure

string   //Confirmation secret
```

```
XML-RPC (PHP structure)

[secret] => string
```

```
REST (POST parameters)

secret= string
```

Response

```
General structure

object {
success int   //True if the user was confirmed, false if he was already confirmed
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [success] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_auth_is_age_digital_consent_verification_enabled

Checks if age digital consent verification is enabled.

?

Arguments

Response

```
General structure

object {
status int   //True if digital consent verification is enabled,
                false otherwise.
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_auth_is_minor

Requests a check if a user is a digital minor.

Arguments

age (Required)

Age

```
General structure

int   //Age
```

```
XML-RPC (PHP structure)

[age] => int
```

?

```
REST (POST parameters)

age= int
```

country (Required)

Country of residence

```
General structure

string   //Country of residence
```

```
XML-RPC (PHP structure)

[country] => string
```

```
REST (POST parameters)

country= string
```

Response

```
General structure

object {
status int   //True if the user is considered to be a digital minor,
                false if not
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

?

core_auth_request_password_reset

Requests a password reset.

Arguments

username (Default to "")

User name

```
General structure

string  Default to "" //User name
```

```
XML-RPC (PHP structure)

[username] => string
```

```
REST (POST parameters)

username= string
```

email (Default to "")

User email

```
General structure

string  Default to "" //User email
```

```
XML-RPC (PHP structure)

[email] => string
```

```
REST (POST parameters)

email= string
```

Response

```
General structure

object {
status string   //The returned status of the process:
                    dataerror: Error in the sent data (username or email). More information in warnings field.
                    emailpasswordconfirmmaybesent: Email sent or not (depends on user found in database).
                    emailpasswordconfirmnotsent: Failure, user not found.
                    emailpasswordconfirmnoemail: Failure, email not found.
                    emailalreadysent: Email already sent.
                    emailpasswordconfirmsent: User pending confirmation.
                    emailresetconfirmsent: Email sent.

notice string   //Important information for the user about the process.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => string
    [notice] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notice">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_auth_resend_confirmation_email

?

Resend confirmation email.

Arguments

username (Required)

Username.

```
General structure

string   //Username.
```

```
XML-RPC (PHP structure)

[username] => string
```

```
REST (POST parameters)

username= string
```

password (Required)

Plain text password.

```
General structure

string   //Plain text password.
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

redirect (Default to "")

Redirect the user to this site url after confirmation.

```
General structure

string  Default to "" //Redirect the user to this site url after confirmation.
```

```
XML-RPC (PHP structure)

[redirect] => string
```

```
REST (POST parameters)

redirect= string
```

Response

?

General structure

```
object {
status int   //True if the confirmation email was sent, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
No

Callable from AJAX
Yes

core_backup_get_async_backup_links_backup

Gets the data to use when updating the status table row in the UI for when an async backup completes.

Arguments
filename (Required)

Backup filename

```
General structure

string   //Backup filename
```

```
XML-RPC (PHP structure)

[filename] => string
```

```
REST (POST parameters)

filename= string
```

contextid (Required)

Context id

```
General structure

int   //Context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

backupid (Required)

Backup id

```
General structure

string   //Backup id
```

```
XML-RPC (PHP structure)

[backupid] => string
```

```
REST (POST parameters)

backupid= string
```

Response
?

Table row data.

```
General structure

  //Table row data.
object {
filesize string   //Backup file size
fileurl string   //Backup file URL
restoreurl string   //Backup restore URL
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [filesize] => string
        [fileurl] => string
        [restoreurl] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="filesize">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fileurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="restoreurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_backup_get_async_backup_links_restore

Gets the data to use when updating the status table row in the UI for when an async restore completes.

Arguments

backupid (Required)

Backup id

?

```
General structure

string   //Backup id
```

```
XML-RPC (PHP structure)

[backupid] => string
```

```
REST (POST parameters)

backupid= string
```

contextid (Required)

Context id

```
General structure

int   //Context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

Response

Table row data.

```
General structure

  //Table row data.
object {
restoreurl string   //Restore url
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [restoreurl] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="restoreurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_backup_get_async_backup_progress

Get the progress of an Asyncronhous backup.

Arguments

backupids (Required)

Backup id to get progress for

```
General structure

  //Backup id to get progress for
list of (
string   //Backup id to get progress for
)
```

```
XML-RPC (PHP structure)

[backupids] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

backupids[0]= string
```

contextid (Required)

Context id

```
General structure

int   //Context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

Response

Backup data

?

```
General structure

  //Backup data
list of (
  //Backup completion status
object {
status int   //Backup Status
progress double   //Backup progress
backupid string   //Backup id
operation string   //operation type
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [status] => int
                [progress] => double
                [backupid] => string
                [operation] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="status">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>double</VALUE>
            </KEY>
            <KEY name="backupid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="operation">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_backup_get_copy_progress

Gets the progress of course copy operations. ?

Arguments

copies (Required)

Copy data

```
General structure

  //Copy data
list of (
  //Copy data
object {
backupid string   //Backup id
restoreid string   //Restore id
operation string   //Operation type
}
)
```

```
XML-RPC (PHP structure)

[copies] =>
    Array
        (
        [0] =>
            Array
                (
                [backupid] => string
                [restoreid] => string
                [operation] => string
                )
        )
```

```
REST (POST parameters)

copies[0][backupid]= string
copies[0][restoreid]= string
copies[0][operation]= string
```

Response

Copy data

```
General structure

  //Copy data
list of (
  //Copy completion status
object {
status int   //Copy Status
progress double   //Copy progress
backupid string   //Copy id
operation string   //Operation type
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [status] => int
                [progress] => double
                [backupid] => string
                [operation] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="status">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>double</VALUE>
            </KEY>
            <KEY name="backupid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="operation">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_backup_submit_copy_form

Handles ajax submission of course copy form.

Arguments

jsonformdata (Required)

The data from the create copy form, encoded as a json array

```
General structure

string   //The data from the create copy form, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

?

JSON response.

```
General structure

string   //JSON response.
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_badges_get_user_badge_by_hash

Returns the badge awarded to a user by hash.

Arguments

hash (Required)

Badge issued hash

```
General structure

string   //Badge issued hash
```

```
XML-RPC (PHP structure)

[hash] => string
```

```
REST (POST parameters)

hash= string
```

Response

?

```
General structure

object {
badge list of (
object {
id int  Optional //Badge id
name string  //Badge name
description string  //Badge description
timecreated int  Optional //Time created
timemodified int  Optional //Time modified
usercreated int  Optional //User created
usermodified int  Optional //User modified
issuername string  //Issuer name
issuerurl string  //Issuer URL
issuercontact string  //Issuer contact
expiredate int  Optional //Expire date
expireperiod int  Optional //Expire period
type int  Optional //Type
courseid int  Optional //Course id
message string  Optional //Message
messagesubject string  Optional //Message subject
attachment int  Optional //Attachment
notification int  Optional //Whether to notify when badge is awarded
nextcron int  Optional //Next cron
status int  Optional //Status
issuedid int  Optional //Issued id
uniquehash string  //Unique hash
dateissued int  //Date issued
dateexpire int  //Date expire
visible int  Optional //Visible
email string  Optional //User email
version string  Optional //Version
language string  Optional //Language
imageauthorname string  Optional //Name of the image author
imageauthoremail string  Optional //Email of the image author
imageauthorurl string  Optional //URL of the image author
imagecaption string  Optional //Caption of the image
badgeurl string  //Badge URL
endorsement object {
id int  //Endorsement id
badgeid int  //Badge id
issuername string  //Endorsement issuer name
issuerurl string  //Endorsement issuer URL
issueremail string  //Endorsement issuer email
claimid string  //Claim URL
claimcomment string  //Claim comment
dateissued int  //Date issued
}
alignment  //Badge alignments
list of (
object {
id int  Optional //Alignment id
badgeid int  Optional //Badge id
targetName string  Optional //Target name
targetUrl string  Optional //Target URL
targetDescription string  Optional //Target description
targetFramework string  Optional //Target framework
targetCode string  Optional //Target code
}
)relatedbadges  //Related badges
list of (
object {
id int  //Badge id
name string  //Badge name
version string  Optional //Version
language string  Optional //Language
type int  Optional //Type
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string  //the warning code can be used by the client app to implement specific behaviour
message string  //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [badge] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [timecreated] => int
                    [timemodified] => int
                    [usercreated] => int
                    [usermodified] => int
                    [issuername] => string
                    [issuerurl] => string
                    [issuercontact] => string
                    [expiredate] => int
                    [expireperiod] => int
                    [type] => int
                    [courseid] => int
                    [message] => string
                    [messagesubject] => string
                    [attachment] => int
                    [notification] => int
                    [nextcron] => int
                    [status] => int
                    [issuedid] => int
                    [uniquehash] => string
                    [dateissued] => int
                    [dateexpire] => int
                    [visible] => int
                    [email] => string
                    [version] => string
                    [language] => string
                    [imageauthorname] => string
                    [imageauthoremail] => string
                    [imageauthorurl] => string
                    [imagecaption] => string
                    [badgeurl] => string
                    [endorsement] =>
                        Array
                            (
                            [id] => int
                            [badgeid] => int
                            [issuername] => string
                            [issuerurl] => string
                            [issueremail] => string
                            [claimid] => string
                            [claimcomment] => string
                            [dateissued] => int
                            )
                    [alignment] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [badgeid] => int
                                    [targetName] => string
                                    [targetUrl] => string
                                    [targetDescription] => string
                                    [targetFramework] => string
                                    [targetCode] => string
                                    )
                            )
                    [relatedbadges] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [version] => string
                                    [language] => string
                                    [type] => int
                                    )
                            )
                    )
```

?

```
            )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="badge">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usercreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="issuername">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="issuerurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="issuercontact">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="expiredate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="expireperiod">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="messagesubject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="notification">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nextcron">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="issuedid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uniquehash">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="dateissued">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dateexpire">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
```


?

```
</KEY>
<KEY name="version">
    <VALUE>string</VALUE>
</KEY>
<KEY name="language">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthorname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthoremail">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthorurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imagecaption">
    <VALUE>string</VALUE>
</KEY>
<KEY name="badgeurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="endorsement">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="badgeid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="issuername">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issuerurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issueremail">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="claimid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="claimcomment">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="dateissued">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="alignment">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="badgeid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="targetName">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetUrl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetDescription">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetFramework">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetCode">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="relatedbadges">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
```


?

```
                                </KEY>
                                <KEY name="version">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="language">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_badges_get_user_badges

Returns the list of badges awarded to a user.

Arguments

userid (Default to "0")

Badges only for this user id, empty for current user

```
General structure

int  Default to "0" //Badges only for this user id, empty for current user
```

?

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

courseid (Default to "0")

Filter badges by course id, empty all the courses

```
General structure

int  Default to "0" //Filter badges by course id, empty all the courses
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

The number of records to return per page

```
General structure

int  Default to "0" //The number of records to return per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

search (Default to "")

A simple string to search for

```
General structure

string  Default to "" //A simple string to search for
```

?

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

onlypublic (Default to "")

Whether to return only public badges

```
General structure

int  Default to "" //Whether to return only public badges
```

```
XML-RPC (PHP structure)

[onlypublic] => int
```

```
REST (POST parameters)

onlypublic= int
```

Response

?

```
General structure

object {
badges list of (
object {
id int  Optional //Badge id
name string   //Badge name
description string   //Badge description
timecreated int  Optional //Time created
timemodified int  Optional //Time modified
usercreated int  Optional //User created
usermodified int  Optional //User modified
issuername string   //Issuer name
issuerurl string   //Issuer URL
issuercontact string   //Issuer contact
expiredate int  Optional //Expire date
expireperiod int  Optional //Expire period
type int  Optional //Type
courseid int  Optional //Course id
message string  Optional //Message
messagesubject string  Optional //Message subject
attachment int  Optional //Attachment
notification int  Optional //Whether to notify when badge is awarded
nextcron int  Optional //Next cron
status int  Optional //Status
issuedid int  Optional //Issued id
uniquehash string   //Unique hash
dateissued int   //Date issued
dateexpire int   //Date expire
visible int  Optional //Visible
email string  Optional //User email
version string  Optional //Version
language string  Optional //Language
imageauthorname string  Optional //Name of the image author
imageauthoremail string  Optional //Email of the image author
imageauthorurl string  Optional //URL of the image author
imagecaption string  Optional //Caption of the image
badgeurl string   //Badge URL
endorsement object {
id int   //Endorsement id
badgeid int   //Badge id
issuername string   //Endorsement issuer name
issuerurl string   //Endorsement issuer URL
issueremail string   //Endorsement issuer email
claimid string   //Claim URL
claimcomment string   //Claim comment
dateissued int   //Date issued
}
alignment   //Badge alignments
list of (
object {
id int  Optional //Alignment id
badgeid int  Optional //Badge id
targetName string  Optional //Target name
targetUrl string  Optional //Target URL
targetDescription string  Optional //Target description
targetFramework string  Optional //Target framework
targetCode string  Optional //Target code
}
)relatedbadges   //Related badges
list of (
object {
id int   //Badge id
name string   //Badge name
version string  Optional //Version
language string  Optional //Language
type int  Optional //Type
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [badges] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [timecreated] => int
                    [timemodified] => int
                    [usercreated] => int
                    [usermodified] => int
                    [issuername] => string
                    [issuerurl] => string
                    [issuercontact] => string
                    [expiredate] => int
                    [expireperiod] => int
                    [type] => int
                    [courseid] => int
                    [message] => string
                    [messagesubject] => string
                    [attachment] => int
                    [notification] => int
                    [nextcron] => int
                    [status] => int
                    [issuedid] => int
                    [uniquehash] => string
                    [dateissued] => int
                    [dateexpire] => int
                    [visible] => int
                    [email] => string
                    [version] => string
                    [language] => string
                    [imageauthorname] => string
                    [imageauthoremail] => string
                    [imageauthorurl] => string
                    [imagecaption] => string
                    [badgeurl] => string
                    [endorsement] =>
                        Array
                            (
                            [id] => int
                            [badgeid] => int
                            [issuername] => string
                            [issuerurl] => string
                            [issueremail] => string
                            [claimid] => string
                            [claimcomment] => string
                            [dateissued] => int
                            )
                    [alignment] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [badgeid] => int
                                    [targetName] => string
                                    [targetUrl] => string
                                    [targetDescription] => string
                                    [targetFramework] => string
                                    [targetCode] => string
                                    )
                            )
                    [relatedbadges] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [version] => string
                                    [language] => string
                                    [type] => int
                                    )
                            )
                    )
```

?

```
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="badges">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usercreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="issuername">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="issuerurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="issuercontact">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="expiredate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="expireperiod">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="messagesubject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="notification">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nextcron">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="issuedid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uniquehash">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="dateissued">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dateexpire">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
```


?

```
</KEY>
<KEY name="version">
    <VALUE>string</VALUE>
</KEY>
<KEY name="language">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthorname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthoremail">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imageauthorurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="imagecaption">
    <VALUE>string</VALUE>
</KEY>
<KEY name="badgeurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="endorsement">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="badgeid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="issuername">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issuerurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issueremail">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="claimid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="claimcomment">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="dateissued">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="alignment">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="badgeid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="targetName">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetUrl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetDescription">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetFramework">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="targetCode">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="relatedbadges">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
```


?

```
                                </KEY>
                                <KEY name="version">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="language">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_block_fetch_addable_blocks

Returns all addable blocks in a given page.

Arguments

pagecontextid (Required)

The context ID of the page.

```
General structure

int   //The context ID of the page.
```

?

```
XML-RPC (PHP structure)

[pagecontextid] => int
```

```
REST (POST parameters)

pagecontextid= int
```

pagetype (Required)

The type of the page.

```
General structure

string   //The type of the page.
```

```
XML-RPC (PHP structure)

[pagetype] => string
```

```
REST (POST parameters)

pagetype= string
```

pagelayout (Required)

The layout of the page.

```
General structure

string   //The layout of the page.
```

```
XML-RPC (PHP structure)

[pagelayout] => string
```

```
REST (POST parameters)

pagelayout= string
```

subpage (Default to "")

The subpage identifier

```
General structure

string  Default to "" //The subpage identifier
```

```
XML-RPC (PHP structure)

[subpage] => string
```

```
REST (POST parameters)

subpage= string
```

pagehash (Default to "")

Page hash

```
General structure

string  Default to "" //Page hash
```

?

```
XML-RPC (PHP structure)

[pagehash] => string
```

```
REST (POST parameters)

pagehash= string
```

Response

List of addable blocks in a given page.

```
General structure

  //List of addable blocks in a given page.
list of (
object {
name string   //The name of the block.
title string   //The title of the block.
blockform string   //If this block type has a form when it is being added then the classname of the form
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [title] => string
                [blockform] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="title">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="blockform">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

?

Yes

Callable from AJAX

Yes

core_block_get_course_blocks

Returns blocks information for a course.

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

returncontents (Default to "")

Whether to return the block contents.

```
General structure

int  Default to "" //Whether to return the block contents.
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

Response

?

```
General structure

object {
blocks   //List of blocks in the course.
list of (
  //Block information.
object {
instanceid int   //Block instance id.
name string   //Block name.
region string   //Block region.
positionid int   //Position id.
collapsible int   //Whether the block is collapsible.
dockable int   //Whether the block is dockable.
weight int  Optional //Used to order blocks within a region.
visible int  Optional //Whether the block is visible.
contents  Optional //Block contents (if required).
object {
title string   //Block title.
content string   //Block contents.
contentformat int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
footer string   //Block footer.
files   //Block files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
configs  Optional //Block instance and plugin configuration settings.
list of (
object {
name string   //Name.
value string   //JSON encoded representation of the config value.
type string   //Type (instance or plugin).
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [blocks] =>
        Array
            (
            [0] =>
                Array
                    (
                    [instanceid] => int
                    [name] => string
                    [region] => string
                    [positionid] => int
                    [collapsible] => int
                    [dockable] => int
                    [weight] => int
                    [visible] => int
                    [contents] =>
                        Array
                            (
                            [title] => string
                            [content] => string
                            [contentformat] => int
                            [footer] => string
                            [files] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [filename] => string
                                            [filepath] => string
                                            [filesize] => int
                                            [fileurl] => string
                                            [timemodified] => int
                                            [mimetype] => string
                                            [isexternalfile] => int
                                            [repositorytype] => string
                                            )
                                    )
                            )
                    [configs] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    [type] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="blocks">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="instanceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="region">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="positionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="collapsible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dockable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="weight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contents">
                        <SINGLE>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contentformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="footer">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="files">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="filename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filepath">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filesize">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="mimetype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="isexternalfile">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="repositorytype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="configs">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
```


?

```
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_block_get_dashboard_blocks

Returns blocks information for the given user dashboard.

Arguments

userid (Default to "0")

User id (optional), default is current user.

```
General structure

int  Default to "0" //User id (optional), default is current user.
```

```
XML-RPC (PHP structure)

[userid] => int
```

?

```
REST (POST parameters)

userid= int
```

returncontents (Default to "")

Whether to return the block contents.

```
General structure

int  Default to "" //Whether to return the block contents.
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

mypage (Default to "__default")

What my page to return blocks of

```
General structure

string  Default to "__default" //What my page to return blocks of
```

```
XML-RPC (PHP structure)

[mypage] => string
```

```
REST (POST parameters)

mypage= string
```

Response

?

```
General structure

object {
blocks   //List of blocks in the dashboard.
list of (
  //Block information.
object {
instanceid int   //Block instance id.
name string   //Block name.
region string   //Block region.
positionid int   //Position id.
collapsible int   //Whether the block is collapsible.
dockable int   //Whether the block is dockable.
weight int  Optional //Used to order blocks within a region.
visible int  Optional //Whether the block is visible.
contents  Optional //Block contents (if required).
object {
title string   //Block title.
content string   //Block contents.
contentformat int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
footer string   //Block footer.
files   //Block files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
configs  Optional //Block instance and plugin configuration settings.
list of (
object {
name string   //Name.
value string   //JSON encoded representation of the config value.
type string   //Type (instance or plugin).
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [blocks] =>
        Array
            (
            [0] =>
                Array
                    (
                    [instanceid] => int
                    [name] => string
                    [region] => string
                    [positionid] => int
                    [collapsible] => int
                    [dockable] => int
                    [weight] => int
                    [visible] => int
                    [contents] =>
                        Array
                            (
                            [title] => string
                            [content] => string
                            [contentformat] => int
                            [footer] => string
                            [files] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [filename] => string
                                            [filepath] => string
                                            [filesize] => int
                                            [fileurl] => string
                                            [timemodified] => int
                                            [mimetype] => string
                                            [isexternalfile] => int
                                            [repositorytype] => string
                                            )
                                    )
                            )
                    [configs] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    [type] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="blocks">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="instanceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="region">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="positionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="collapsible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dockable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="weight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contents">
                        <SINGLE>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contentformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="footer">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="files">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="filename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filepath">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filesize">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="mimetype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="isexternalfile">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="repositorytype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="configs">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
```


?

```
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_blog_get_entries

Returns blog entries.

Arguments

filters (Default to "Array ( ) ")

Parameters to filter blog listings.

?

```
General structure

 Default to "Array
(
)
" //Parameters to filter blog listings.
list of (
object {
name string   //The expected keys (value format) are:
                                tag      PARAM_NOTAGS blog tag
                                tagid    PARAM_INT    blog tag id
                                userid   PARAM_INT    blog author (userid)
                                cmid    PARAM_INT    course module id
                                entryid  PARAM_INT    entry id
                                groupid  PARAM_INT    group id
                                courseid PARAM_INT    course id
                                search   PARAM_RAW    search term

value string   //The value of the filter.
}
)
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

filters[0][name]= string
filters[0][value]= string
```

page (Default to "0")

The blog page to return.

```
General structure

int  Default to "0" //The blog page to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "10")

The number of posts to return per page.

```
General structure

int  Default to "10" //The number of posts to return per page.
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

?

Response

```
General structure

object {
entries list of (
object {
id int   //Post/entry id.
module string   //Where it was published the post (blog, blog_external...).
userid int   //Post author.
courseid int   //Course where the post was created.
groupid int   //Group post was created for.
moduleid int   //Module id where the post was created (not used anymore).
coursemoduleid int   //Course module id where the post was created.
subject string   //Post subject.
summary string   //Post summary.
summaryformat int  Default to "1" //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
content string   //Post content.
uniquehash string   //Post unique hash.
rating int   //Post rating.
format int   //Post content format.
attachment string   //Post atachment.
publishstate string   //Post publish state.
lastmodified int   //When it was last modified.
created int   //When it was created.
usermodified int   //User that updated the post.
summaryfiles   //summaryfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)attachmentfiles  Optional //attachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)tags  Optional //Tags.
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)totalentries int   //The total number of entries found.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [module] => string
                    [userid] => int
                    [courseid] => int
                    [groupid] => int
                    [moduleid] => int
                    [coursemoduleid] => int
                    [subject] => string
                    [summary] => string
                    [summaryformat] => int
                    [content] => string
                    [uniquehash] => string
                    [rating] => int
                    [format] => int
                    [attachment] => string
                    [publishstate] => string
                    [lastmodified] => int
                    [created] => int
                    [usermodified] => int
                    [summaryfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachmentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [totalentries] => int
    [warnings] =>
        Array
```

?

```
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="module">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="moduleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemoduleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="uniquehash">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="publishstate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastmodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="summaryfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="attachmentfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="totalentries">
    <VALUE>int</VALUE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_blog_view_entries

Trigger the blog_entries_viewed event.

Arguments

filters (Default to "Array ( ) ")

Parameters used in the filter of view_entries.

```
General structure

 Default to "Array
(
)
" //Parameters used in the filter of view_entries.
list of (
object {
name string   //The expected keys (value format) are:
                                tag      PARAM_NOTAGS blog tag
                                tagid    PARAM_INT    blog tag id
                                userid   PARAM_INT    blog author (userid)
                                cmid     PARAM_INT    course module id
                                entryid  PARAM_INT    entry id
                                groupid  PARAM_INT    group id
                                courseid PARAM_INT    course id
                                search   PARAM_RAW    search term

value string   //The value of the filter.
}
)
```

?

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

filters[0][name]= string
filters[0][value]= string
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_calendar_create_calendar_events

Create calendar events

Arguments

events (Required)

?

```
General structure

list of (
  //event
object {
name string   //event name
description string  Default to "null" //Description
format int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
courseid int  Default to "0" //course id
groupid int  Default to "0" //group id
repeats int  Default to "0" //number of repeats
eventtype string  Default to "user" //Event type
timestart int  Default to "1701268695" //timestart
timeduration int  Default to "0" //time duration
visible int  Default to "1" //visible
sequence int  Default to "1" //sequence
}
)
```

```
XML-RPC (PHP structure)

[events] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [description] => string
                [format] => int
                [courseid] => int
                [groupid] => int
                [repeats] => int
                [eventtype] => string
                [timestart] => int
                [timeduration] => int
                [visible] => int
                [sequence] => int
                )
        )
```

```
REST (POST parameters)

events[0][name]= string
events[0][description]= string
events[0][format]= int
events[0][courseid]= int
events[0][groupid]= int
events[0][repeats]= int
events[0][eventtype]= string
events[0][timestart]= int
events[0][timeduration]= int
events[0][visible]= int
events[0][sequence]= int
```

Response

?

General structure

```
object {
events list of (
  //event
object {
id int   //event id
name string   //event name
description string  Optional //Description
format int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
courseid int   //course id
groupid int   //group id
userid int   //user id
repeatid int  Optional //repeat id
modulename string  Optional //module name
instance int   //instance id
eventtype string   //Event type
timestart int   //timestart
timeduration int   //time duration
visible int   //visible
uuid string  Optional //unique id of ical events
sequence int   //sequence
timemodified int   //time modified
subscriptionid int  Optional //Subscription id
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [format] => int
                    [courseid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [modulename] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [visible] => int
                    [uuid] => string
                    [sequence] => int
                    [timemodified] => int
                    [subscriptionid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uuid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sequence">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subscriptionid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_calendar_delete_calendar_events

Delete calendar events

Arguments

events (Required)

```
General structure

list of (
  //List of events to delete
object {
eventid int   //Event ID
repeat int   //Delete comeplete series if repeated event
}
)
```

```
XML-RPC (PHP structure)

[events] =>
    Array
        (
        [0] =>
            Array
                (
                [eventid] => int
                [repeat] => int
                )
        )
```

```
REST (POST parameters)

events[0][eventid]= int
events[0][repeat]= int
```

Response

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_delete_subscription

Delete the calendar subscription

Arguments

subscriptionid (Required)

The id of the subscription

```
General structure

int   //The id of the subscription
```

```
XML-RPC (PHP structure)

[subscriptionid] => int
```

```
REST (POST parameters)

subscriptionid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_action_events_by_course

Get calendar action events by course

?

Arguments

courseid (Required)

Course id

```
General structure

int   //Course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

timesortfrom (Default to "null")

Time sort from

```
General structure

int  Default to "null" //Time sort from
```

```
XML-RPC (PHP structure)

[timesortfrom] => int
```

```
REST (POST parameters)

timesortfrom= int
```

timesortto (Default to "null")

Time sort to

```
General structure

int  Default to "null" //Time sort to
```

```
XML-RPC (PHP structure)

[timesortto] => int
```

```
REST (POST parameters)

timesortto= int
```

aftereventid (Default to "0")

The last seen event id

```
General structure

int  Default to "0" //The last seen event id
```

```
XML-RPC (PHP structure)

[aftereventid] => int
```

```
REST (POST parameters)

aftereventid= int
```

?

limitnum (Default to "20")

Limit number

```
General structure

int  Default to "20" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

searchvalue (Default to "null")

The value a user wishes to search against

```
General structure

string  Default to "null" //The value a user wishes to search against
```

```
XML-RPC (PHP structure)

[searchvalue] => string
```

```
REST (POST parameters)

searchvalue= string
```

Response

?

```
General structure

object {
events   //events
list of (
object {
id int   //id
name string   //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string   //eventtype
timestart int   //timestart
timeduration int   //timeduration
timesort int   //timesort
timeusermidnight int   //timeusermidnight
visible int   //visible
timemodified int   //timemodified
overdue int  Optional //overdue
icon object {
key string   //key
component string   //component
alttext string   //alttext
iconurl string   //iconurl
iconclass string   //iconclass
}
category object {
id int   //id
name string   //name
idnumber string   //idnumber
description string  Optional //description
parent int   //parent
coursecount int   //coursecount
visible int   //visible
timemodified int   //timemodified
depth int   //depth
nestedname string   //nestedname
url string   //url
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
subscription object {
displayeventsource int   //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int   //canedit
candelete int   //candelete
deleteurl string   //deleteurl
editurl string   //editurl
viewurl string   //viewurl
formattedtime string   //formattedtime
formattedlocation string   //formattedlocation
```

?

```
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
)firstid int   //firstid
lastid int   //lastid
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [location] => string
                    [categoryid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [eventcount] => int
                    [component] => string
                    [modulename] => string
                    [activityname] => string
                    [activitystr] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [timesort] => int
                    [timeusermidnight] => int
                    [visible] => int
                    [timemodified] => int
                    [overdue] => int
                    [icon] =>
                        Array
                            (
                            [key] => string
                            [component] => string
                            [alttext] => string
                            [iconurl] => string
                            [iconclass] => string
                            )
                    [category] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [idnumber] => string
                            [description] => string
                            [parent] => int
                            [coursecount] => int
                            [visible] => int
                            [timemodified] => int
                            [depth] => int
                            [nestedname] => string
                            [url] => string
                            )
                    [course] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [summary] => string
                            [summaryformat] => int
                            [startdate] => int
                            [enddate] => int
                            [visible] => int
                            [showactivitydates] => int
                            [showcompletionconditions] => int
                            [pdfexportfont] => string
                            [fullnamedisplay] => string
                            [viewurl] => string
                            [courseimage] => string
                            [progress] => int
                            [hasprogress] => int
                            [isfavourite] => int
                            [hidden] => int
                            [timeaccess] => int
                            [showshortname] => int
                            [coursecategory] => string
                            )
                    [subscription] =>
```

?

```
                        Array
                            (
                            [displayeventsource] => int
                            [subscriptionname] => string
                            [subscriptionurl] => string
                            )
                    [canedit] => int
                    [candelete] => int
                    [deleteurl] => string
                    [editurl] => string
                    [viewurl] => string
                    [formattedtime] => string
                    [formattedlocation] => string
                    [isactionevent] => int
                    [iscourseevent] => int
                    [iscategoryevent] => int
                    [groupname] => string
                    [normalisedeventtype] => string
                    [normalisedeventtypetext] => string
                    [action] =>
                        Array
                            (
                            [name] => string
                            [url] => string
                            [itemcount] => int
                            [actionable] => int
                            [showitemcount] => int
                            )
                    [purpose] => string
                    [url] => string
                    )
            )
        [firstid] => int
        [lastid] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="location">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activityname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activitystr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timesort">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeusermidnight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overdue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
            <KEY name="alttext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
```


?

```
                    <KEY name="action">
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="itemcount">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="actionable">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="showitemcount">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="purpose">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="firstid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="lastid">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_action_events_by_courses

Get calendar action events by courses

Arguments

courseids (Required)

```
General structure

list of (
int   //Course id
)
```

?

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

timesortfrom (Default to "null")

Time sort from

```
General structure

int  Default to "null" //Time sort from
```

```
XML-RPC (PHP structure)

[timesortfrom] => int
```

```
REST (POST parameters)

timesortfrom= int
```

timesortto (Default to "null")

Time sort to

```
General structure

int  Default to "null" //Time sort to
```

```
XML-RPC (PHP structure)

[timesortto] => int
```

```
REST (POST parameters)

timesortto= int
```

limitnum (Default to "10")

Limit number

```
General structure

int  Default to "10" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

searchvalue (Default to "null")

The value a user wishes to search against

```
General structure

string  Default to "null" //The value a user wishes to search against
```

?

XML-RPC (PHP structure)

```
[searchvalue] => string
```

REST (POST parameters)

```
searchvalue= string
```

Response

?

```
General structure

object {
groupedbycourse   //groupedbycourse
list of (
object {
events   //events
list of (
object {
id int   //id
name string   //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string   //eventtype
timestart int   //timestart
timeduration int   //timeduration
timesort int   //timesort
timeusermidnight int   //timeusermidnight
visible int   //visible
timemodified int   //timemodified
overdue int  Optional //overdue
icon object {
key string   //key
component string   //component
alttext string   //alttext
iconurl string   //iconurl
iconclass string   //iconclass
}
category object {
id int   //id
name string   //name
idnumber string   //idnumber
description string  Optional //description
parent int   //parent
coursecount int   //coursecount
visible int   //visible
timemodified int   //timemodified
depth int   //depth
nestedname string   //nestedname
url string   //url
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
subscription object {
displayeventsource int   //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int   //canedit
candelete int   //candelete
deleteurl string   //deleteurl
editurl string   //editurl
```

?

```
viewurl string   //viewurl
formattedtime string   //formattedtime
formattedlocation string   //formattedlocation
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
)firstid int   //firstid
lastid int   //lastid
courseid int   //courseid
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [groupedbycourse] =>
        Array
            (
            [0] =>
                Array
                    (
                    [events] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [location] => string
                                    [categoryid] => int
                                    [groupid] => int
                                    [userid] => int
                                    [repeatid] => int
                                    [eventcount] => int
                                    [component] => string
                                    [modulename] => string
                                    [activityname] => string
                                    [activitystr] => string
                                    [instance] => int
                                    [eventtype] => string
                                    [timestart] => int
                                    [timeduration] => int
                                    [timesort] => int
                                    [timeusermidnight] => int
                                    [visible] => int
                                    [timemodified] => int
                                    [overdue] => int
                                    [icon] =>
                                        Array
                                            (
                                            [key] => string
                                            [component] => string
                                            [alttext] => string
                                            [iconurl] => string
                                            [iconclass] => string
                                            )
                                    [category] =>
                                        Array
                                            (
                                            [id] => int
                                            [name] => string
                                            [idnumber] => string
                                            [description] => string
                                            [parent] => int
                                            [coursecount] => int
                                            [visible] => int
                                            [timemodified] => int
                                            [depth] => int
                                            [nestedname] => string
                                            [url] => string
                                            )
                                    [course] =>
                                        Array
                                            (
                                            [id] => int
                                            [fullname] => string
                                            [shortname] => string
                                            [idnumber] => string
                                            [summary] => string
                                            [summaryformat] => int
                                            [startdate] => int
                                            [enddate] => int
                                            [visible] => int
                                            [showactivitydates] => int
                                            [showcompletionconditions] => int
                                            [pdfexportfont] => string
                                            [fullnamedisplay] => string
                                            [viewurl] => string
                                            [courseimage] => string
                                            [progress] => int
                                            [hasprogress] => int
                                            [isfavourite] => int
```

?

```
                                        [hidden] => int
                                        [timeaccess] => int
                                        [showshortname] => int
                                        [coursecategory] => string
                                        )
                                [subscription] =>
                                    Array
                                        (
                                        [displayeventsource] => int
                                        [subscriptionname] => string
                                        [subscriptionurl] => string
                                        )
                                [canedit] => int
                                [candelete] => int
                                [deleteurl] => string
                                [editurl] => string
                                [viewurl] => string
                                [formattedtime] => string
                                [formattedlocation] => string
                                [isactionevent] => int
                                [iscourseevent] => int
                                [iscategoryevent] => int
                                [groupname] => string
                                [normalisedeventtype] => string
                                [normalisedeventtypetext] => string
                                [action] =>
                                    Array
                                        (
                                        [name] => string
                                        [url] => string
                                        [itemcount] => int
                                        [actionable] => int
                                        [showitemcount] => int
                                        )
                                [purpose] => string
                                [url] => string
                                )
                            )
                        [firstid] => int
                        [lastid] => int
                        [courseid] => int
                        )
                    )
            )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groupedbycourse">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="events">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="description">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="descriptionformat">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="location">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="categoryid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="groupid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repeatid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="eventcount">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="component">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="modulename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="activityname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="activitystr">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="instance">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="eventtype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timestart">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timeduration">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timesort">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timeusermidnight">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="visible">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="overdue">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="icon">
                                    <SINGLE>
                                        <KEY name="key">
                                            <VALUE>string</VALUE>
                                        </KEY>
```


?

```
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="alttext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconclass">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="category">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="parent">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="depth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="nestedname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="course">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="summary">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="summaryformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="startdate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="enddate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showactivitydates">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showcompletionconditions">
            <VALUE>int</VALUE>
```


?

```
        </KEY>
        <KEY name="pdfexportfont">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
```


?

```
                            <KEY name="normalisedeventtypetext">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="action">
                                <SINGLE>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="url">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="itemcount">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="actionable">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showitemcount">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </KEY>
                            <KEY name="purpose">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="firstid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lastid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="courseid">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_action_events_by_timesort

Get calendar action events by tiemsort

Arguments

?

timesortfrom (Default to "0")

Time sort from

```
General structure

int  Default to "0" //Time sort from
```

```
XML-RPC (PHP structure)

[timesortfrom] => int
```

```
REST (POST parameters)

timesortfrom= int
```

timesortto (Default to "null")

Time sort to

```
General structure

int  Default to "null" //Time sort to
```

```
XML-RPC (PHP structure)

[timesortto] => int
```

```
REST (POST parameters)

timesortto= int
```

aftereventid (Default to "0")

The last seen event id

```
General structure

int  Default to "0" //The last seen event id
```

```
XML-RPC (PHP structure)

[aftereventid] => int
```

```
REST (POST parameters)

aftereventid= int
```

limitnum (Default to "20")

Limit number

```
General structure

int  Default to "20" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

limittononsuspendedevents (Default to "")

Limit the events to courses the user is not suspended in

?

```
General structure

int  Default to "" //Limit the events to courses the user is not suspended in
```

```
XML-RPC (PHP structure)

[limittononsuspendedevents] => int
```

```
REST (POST parameters)

limittononsuspendedevents= int
```

userid (Default to "null")

The user id

```
General structure

int  Default to "null" //The user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

searchvalue (Default to "null")

The value a user wishes to search against

```
General structure

string  Default to "null" //The value a user wishes to search against
```

```
XML-RPC (PHP structure)

[searchvalue] => string
```

```
REST (POST parameters)

searchvalue= string
```

Response

?

```
General structure

object {
events  //events
list of (
object {
id int  //id
name string  //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string  //eventtype
timestart int  //timestart
timeduration int  //timeduration
timesort int  //timesort
timeusermidnight int  //timeusermidnight
visible int  //visible
timemodified int  //timemodified
overdue int  Optional //overdue
icon object {
key string  //key
component string  //component
alttext string  //alttext
iconurl string  //iconurl
iconclass string  //iconclass
}
category object {
id int  //id
name string  //name
idnumber string  //idnumber
description string  Optional //description
parent int  //parent
coursecount int  //coursecount
visible int  //visible
timemodified int  //timemodified
depth int  //depth
nestedname string  //nestedname
url string  //url
}
course object {
id int  //id
fullname string  //fullname
shortname string  //shortname
idnumber string  //idnumber
summary string  //summary
summaryformat int  //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int  //startdate
enddate int  //enddate
visible int  //visible
showactivitydates int  //showactivitydates
showcompletionconditions int  //showcompletionconditions
pdfexportfont string  //pdfexportfont
fullnamedisplay string  //fullnamedisplay
viewurl string  //viewurl
courseimage string  //courseimage
progress int  Optional //progress
hasprogress int  //hasprogress
isfavourite int  //isfavourite
hidden int  //hidden
timeaccess int  Optional //timeaccess
showshortname int  //showshortname
coursecategory string  //coursecategory
}
subscription object {
displayeventsource int  //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int  //canedit
candelete int  //candelete
deleteurl string  //deleteurl
editurl string  //editurl
viewurl string  //viewurl
formattedtime string  //formattedtime
formattedlocation string  //formattedlocation
```

?

```
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
)firstid int   //firstid
lastid int   //lastid
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [location] => string
                    [categoryid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [eventcount] => int
                    [component] => string
                    [modulename] => string
                    [activityname] => string
                    [activitystr] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [timesort] => int
                    [timeusermidnight] => int
                    [visible] => int
                    [timemodified] => int
                    [overdue] => int
                    [icon] =>
                        Array
                            (
                            [key] => string
                            [component] => string
                            [alttext] => string
                            [iconurl] => string
                            [iconclass] => string
                            )
                    [category] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [idnumber] => string
                            [description] => string
                            [parent] => int
                            [coursecount] => int
                            [visible] => int
                            [timemodified] => int
                            [depth] => int
                            [nestedname] => string
                            [url] => string
                            )
                    [course] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [summary] => string
                            [summaryformat] => int
                            [startdate] => int
                            [enddate] => int
                            [visible] => int
                            [showactivitydates] => int
                            [showcompletionconditions] => int
                            [pdfexportfont] => string
                            [fullnamedisplay] => string
                            [viewurl] => string
                            [courseimage] => string
                            [progress] => int
                            [hasprogress] => int
                            [isfavourite] => int
                            [hidden] => int
                            [timeaccess] => int
                            [showshortname] => int
                            [coursecategory] => string
                            )
                    [subscription] =>
```

?

```
                        Array
                            (
                            [displayeventsource] => int
                            [subscriptionname] => string
                            [subscriptionurl] => string
                            )
                    [canedit] => int
                    [candelete] => int
                    [deleteurl] => string
                    [editurl] => string
                    [viewurl] => string
                    [formattedtime] => string
                    [formattedlocation] => string
                    [isactionevent] => int
                    [iscourseevent] => int
                    [iscategoryevent] => int
                    [groupname] => string
                    [normalisedeventtype] => string
                    [normalisedeventtypetext] => string
                    [action] =>
                        Array
                            (
                            [name] => string
                            [url] => string
                            [itemcount] => int
                            [actionable] => int
                            [showitemcount] => int
                            )
                    [purpose] => string
                    [url] => string
                    )
            )
    [firstid] => int
    [lastid] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="location">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activityname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activitystr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timesort">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeusermidnight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overdue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
            <KEY name="alttext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
```


?

```
                    <KEY name="action">
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="itemcount">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="actionable">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="showitemcount">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="purpose">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="firstid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="lastid">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_allowed_event_types

Get the type of events a user can create in the given course.

Arguments

courseid (Default to "0")

Course to check, empty for site.

```
General structure

int  Default to "0" //Course to check, empty for site.
```

?

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
allowedeventtypes list of (
string   //Allowed event types to be created in the given course.
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [allowedeventtypes] =>
            Array
                (
                [0] => string
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="allowedeventtypes">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_calendar_get_calendar_access_information

Convenience function to retrieve some permissions/access information for the given course calendar.

Arguments

courseid (Default to "0")

Course to check, empty for site calendar events.

```
General structure

int  Default to "0" //Course to check, empty for site calendar events.
```

```
XML-RPC (PHP structure)

[courseid] => int
```

?

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
canmanageentries int   //Whether the user can manage entries.
canmanageownentries int   //Whether the user can manage its own entries.
canmanagegroupentries int   //Whether the user can manage group entries.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [canmanageentries] => int
        [canmanageownentries] => int
        [canmanagegroupentries] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canmanageentries">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanageownentries">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagegroupentries">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_calendar_get_calendar_day_view

Fetch the day view data for a calendar

Arguments

year (Required)

Year to be viewed

```
General structure

int   //Year to be viewed
```

?

```
XML-RPC (PHP structure)

[year] => int
```

```
REST (POST parameters)

year= int
```

month (Required)

Month to be viewed

```
General structure

int   //Month to be viewed
```

```
XML-RPC (PHP structure)

[month] => int
```

```
REST (POST parameters)

month= int
```

day (Required)

Day to be viewed

```
General structure

int   //Day to be viewed
```

```
XML-RPC (PHP structure)

[day] => int
```

```
REST (POST parameters)

day= int
```

courseid (Default to "1")

Course being viewed

```
General structure

int  Default to "1" //Course being viewed
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

categoryid (Default to "null")

Category being viewed

```
General structure

int  Default to "null" //Category being viewed
```

?

XML-RPC (PHP structure)

```
[categoryid] => int
```

REST (POST parameters)

```
categoryid= int
```

Response

?

```
General structure

object {
events   //events
list of (
object {
id int   //id
name string   //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string   //eventtype
timestart int   //timestart
timeduration int   //timeduration
timesort int   //timesort
timeusermidnight int   //timeusermidnight
visible int   //visible
timemodified int   //timemodified
overdue int  Optional //overdue
icon object {
key string   //key
component string   //component
alttext string   //alttext
iconurl string   //iconurl
iconclass string   //iconclass
}
category object {
id int   //id
name string   //name
idnumber string   //idnumber
description string  Optional //description
parent int   //parent
coursecount int   //coursecount
visible int   //visible
timemodified int   //timemodified
depth int   //depth
nestedname string   //nestedname
url string   //url
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
subscription object {
displayeventsource int   //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int   //canedit
candelete int   //candelete
deleteurl string   //deleteurl
editurl string   //editurl
viewurl string   //viewurl
formattedtime string   //formattedtime
formattedlocation string   //formattedlocation
```

?

```
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
islastday int   //islastday
popupname string   //popupname
mindaytimestamp int  Optional //mindaytimestamp
mindayerror string  Optional //mindayerror
maxdaytimestamp int  Optional //maxdaytimestamp
maxdayerror string  Optional //maxdayerror
draggable int   //draggable
}
)defaulteventcontext int   //defaulteventcontext
filter_selector string   //filter_selector
courseid int   //courseid
categoryid int  Optional //categoryid
neweventtimestamp int   //neweventtimestamp
date object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
periodname string   //periodname
previousperiod object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
previousperiodlink string   //previousperiodlink
previousperiodname string   //previousperiodname
nextperiod object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
nextperiodname string   //nextperiodname
nextperiodlink string   //nextperiodlink
larrow string   //larrow
rarrow string   //rarrow
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [location] => string
                    [categoryid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [eventcount] => int
                    [component] => string
                    [modulename] => string
                    [activityname] => string
                    [activitystr] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [timesort] => int
                    [timeusermidnight] => int
                    [visible] => int
                    [timemodified] => int
                    [overdue] => int
                    [icon] =>
                        Array
                            (
                            [key] => string
                            [component] => string
                            [alttext] => string
                            [iconurl] => string
                            [iconclass] => string
                            )
                    [category] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [idnumber] => string
                            [description] => string
                            [parent] => int
                            [coursecount] => int
                            [visible] => int
                            [timemodified] => int
                            [depth] => int
                            [nestedname] => string
                            [url] => string
                            )
                    [course] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [summary] => string
                            [summaryformat] => int
                            [startdate] => int
                            [enddate] => int
                            [visible] => int
                            [showactivitydates] => int
                            [showcompletionconditions] => int
                            [pdfexportfont] => string
                            [fullnamedisplay] => string
                            [viewurl] => string
                            [courseimage] => string
                            [progress] => int
                            [hasprogress] => int
                            [isfavourite] => int
                            [hidden] => int
                            [timeaccess] => int
                            [showshortname] => int
                            [coursecategory] => string
                            )
                    [subscription] =>
```

?

```
                        Array
                            (
                            [displayeventsource] => int
                            [subscriptionname] => string
                            [subscriptionurl] => string
                            )
                    [canedit] => int
                    [candelete] => int
                    [deleteurl] => string
                    [editurl] => string
                    [viewurl] => string
                    [formattedtime] => string
                    [formattedlocation] => string
                    [isactionevent] => int
                    [iscourseevent] => int
                    [iscategoryevent] => int
                    [groupname] => string
                    [normalisedeventtype] => string
                    [normalisedeventtypetext] => string
                    [action] =>
                        Array
                            (
                            [name] => string
                            [url] => string
                            [itemcount] => int
                            [actionable] => int
                            [showitemcount] => int
                            )
                    [purpose] => string
                    [url] => string
                    [islastday] => int
                    [popupname] => string
                    [mindaytimestamp] => int
                    [mindayerror] => string
                    [maxdaytimestamp] => int
                    [maxdayerror] => string
                    [draggable] => int
                    )
            )
    [defaulteventcontext] => int
    [filter_selector] => string
    [courseid] => int
    [categoryid] => int
    [neweventtimestamp] => int
    [date] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    [periodname] => string
    [previousperiod] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    [previousperiodlink] => string
    [previousperiodname] => string
    [nextperiod] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
```

?

```
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
        [nextperiodname] => string
        [nextperiodlink] => string
        [larrow] => string
        [rarrow] => string
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="location">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activityname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activitystr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timesort">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeusermidnight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overdue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
            <KEY name="alttext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
```


?

```
            <KEY name="action">
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="actionable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showitemcount">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="purpose">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="islastday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="popupname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mindaytimestamp">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mindayerror">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="maxdaytimestamp">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="maxdayerror">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="draggable">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="defaulteventcontext">
    <VALUE>int</VALUE>
</KEY>
<KEY name="filter_selector">
    <VALUE>string</VALUE>
</KEY>
<KEY name="courseid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="categoryid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="neweventtimestamp">
    <VALUE>int</VALUE>
</KEY>
<KEY name="date">
    <SINGLE>
        <KEY name="seconds">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="minutes">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hours">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="mday">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="wday">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="mon">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="year">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="yday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="weekday">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="month">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="periodname">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="previousperiod">
        <SINGLE>
            <KEY name="seconds">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="minutes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hours">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="wday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mon">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="year">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="yday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="weekday">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="month">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="previousperiodlink">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="previousperiodname">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="nextperiod">
        <SINGLE>
            <KEY name="seconds">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="minutes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hours">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="wday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mon">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="year">
                <VALUE>int</VALUE>
            </KEY>
```


?

```
                <KEY name="yday">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="weekday">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="month">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestamp">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="nextperiodname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="nextperiodlink">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="larrow">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="rarrow">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_calendar_event_by_id

Get calendar event by id

Arguments

eventid (Required)

The event id to be retrieved

```
General structure

int   //The event id to be retrieved
```

```
XML-RPC (PHP structure)

[eventid] => int
```

?

```
REST (POST parameters)

eventid= int
```

Response

?

```
General structure

object {
event object {
id int  //id
name string  //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string  //eventtype
timestart int  //timestart
timeduration int  //timeduration
timesort int  //timesort
timeusermidnight int  //timeusermidnight
visible int  //visible
timemodified int  //timemodified
overdue int  Optional //overdue
icon object {
key string  //key
component string  //component
alttext string  //alttext
iconurl string  //iconurl
iconclass string  //iconclass
}
category object {
id int  //id
name string  //name
idnumber string  //idnumber
description string  Optional //description
parent int  //parent
coursecount int  //coursecount
visible int  //visible
timemodified int  //timemodified
depth int  //depth
nestedname string  //nestedname
url string  //url
}
course object {
id int  //id
fullname string  //fullname
shortname string  //shortname
idnumber string  //idnumber
summary string  //summary
summaryformat int  //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int  //startdate
enddate int  //enddate
visible int  //visible
showactivitydates int  //showactivitydates
showcompletionconditions int  //showcompletionconditions
pdfexportfont string  //pdfexportfont
fullnamedisplay string  //fullnamedisplay
viewurl string  //viewurl
courseimage string  //courseimage
progress int  Optional //progress
hasprogress int  //hasprogress
isfavourite int  //isfavourite
hidden int  //hidden
timeaccess int  Optional //timeaccess
showshortname int  //showshortname
coursecategory string  //coursecategory
}
subscription object {
displayeventsource int  //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int  //canedit
candelete int  //candelete
deleteurl string  //deleteurl
editurl string  //editurl
viewurl string  //viewurl
formattedtime string  //formattedtime
formattedlocation string  //formattedlocation
isactionevent int  //isactionevent
iscourseevent int  //iscourseevent
```

?

```
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [event] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [location] => string
            [categoryid] => int
            [groupid] => int
            [userid] => int
            [repeatid] => int
            [eventcount] => int
            [component] => string
            [modulename] => string
            [activityname] => string
            [activitystr] => string
            [instance] => int
            [eventtype] => string
            [timestart] => int
            [timeduration] => int
            [timesort] => int
            [timeusermidnight] => int
            [visible] => int
            [timemodified] => int
            [overdue] => int
            [icon] =>
                Array
                    (
                    [key] => string
                    [component] => string
                    [alttext] => string
                    [iconurl] => string
                    [iconclass] => string
                    )
            [category] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [idnumber] => string
                    [description] => string
                    [parent] => int
                    [coursecount] => int
                    [visible] => int
                    [timemodified] => int
                    [depth] => int
                    [nestedname] => string
                    [url] => string
                    )
            [course] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [summary] => string
                    [summaryformat] => int
                    [startdate] => int
                    [enddate] => int
                    [visible] => int
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [pdfexportfont] => string
                    [fullnamedisplay] => string
                    [viewurl] => string
                    [courseimage] => string
                    [progress] => int
                    [hasprogress] => int
                    [isfavourite] => int
                    [hidden] => int
                    [timeaccess] => int
                    [showshortname] => int
                    [coursecategory] => string
                    )
            [subscription] =>
                Array
                    (
                    [displayeventsource] => int
```

?

```
                [subscriptionname] => string
                [subscriptionurl] => string
                )
            [canedit] => int
            [candelete] => int
            [deleteurl] => string
            [editurl] => string
            [viewurl] => string
            [formattedtime] => string
            [formattedlocation] => string
            [isactionevent] => int
            [iscourseevent] => int
            [iscategoryevent] => int
            [groupname] => string
            [normalisedeventtype] => string
            [normalisedeventtypetext] => string
            [action] =>
                Array
                    (
                    [name] => string
                    [url] => string
                    [itemcount] => int
                    [actionable] => int
                    [showitemcount] => int
                    )
            [purpose] => string
            [url] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="event">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="location">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="categoryid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="repeatid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modulename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activityname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activitystr">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instance">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventtype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeduration">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timesort">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeusermidnight">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="overdue">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="icon">
                    <SINGLE>
                        <KEY name="key">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="component">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="alttext">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
<KEY name="action">
```


?

```
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="url">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="itemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="actionable">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="showitemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="purpose">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_calendar_events

Get calendar events

Arguments

?

events (Default to "Array ( ) ")

Event details

```
General structure

 Default to "Array
(
)
" //Event details
object {
eventids  Default to "Array
(
)
" //List of event ids
list of (
int   //event ids
)courseids  Default to "Array
(
)
" //List of course ids for which events will be returned
list of (
int   //course ids
)groupids  Default to "Array
(
)
" //List of group ids for which events should be returned
list of (
int   //group ids
)categoryids  Default to "Array
(
)
" //List of category ids for which events will be returned
list of (
int   //Category ids
)}
```

```
XML-RPC (PHP structure)

[events] =>
    Array
        (
        [eventids] =>
            Array
                (
                [0] => int
                )
        [courseids] =>
            Array
                (
                [0] => int
                )
        [groupids] =>
            Array
                (
                [0] => int
                )
        [categoryids] =>
            Array
                (
                [0] => int
                )
        )
```

```
REST (POST parameters)

events[eventids][0]= int
events[courseids][0]= int
events[groupids][0]= int
events[categoryids][0]= int
```

options (Default to "Array ( ) ")

Options

?

```
General structure

 Default to "Array
(
)
" //Options
object {
userevents int  Default to "1" //Set to true to return current user's user events
siteevents int  Default to "1" //Set to true to return site events
timestart int  Default to "0" //Time from which events should be returned
timeend int  Default to "0" //Time to which the events should be returned. We treat 0 and null as no end
ignorehidden int  Default to "1" //Ignore hidden events or not
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [userevents] => int
        [siteevents] => int
        [timestart] => int
        [timeend] => int
        [ignorehidden] => int
        )
```

```
REST (POST parameters)

options[userevents]= int
options[siteevents]= int
options[timestart]= int
options[timeend]= int
options[ignorehidden]= int
```

Response

```
General structure

object {
events list of (
  //event
object {
id int   //event id
name string   //event name
description string  Optional //Description
format int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
courseid int   //course id
categoryid int  Optional //Category id (only for category events).
groupid int   //group id
userid int   //user id
repeatid int   //repeat id
modulename string  Optional //module name
instance int   //instance id
eventtype string   //Event type
timestart int   //timestart
timeduration int   //time duration
visible int   //visible
uuid string  Optional //unique id of ical events
sequence int   //sequence
timemodified int   //time modified
subscriptionid int  Optional //Subscription id
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [format] => int
                    [courseid] => int
                    [categoryid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [modulename] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [visible] => int
                    [uuid] => string
                    [sequence] => int
                    [timemodified] => int
                    [subscriptionid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uuid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sequence">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subscriptionid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
```


?

```
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_calendar_get_calendar_export_token

Return the auth token required for exporting a calendar.

Arguments

Response

```
General structure

object {
token string   //The calendar permanent access token for calendar export.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [token] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="token">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_calendar_get_calendar_monthly_view

Fetch the monthly view data for a calendar

Arguments

year (Required)

Year to be viewed

General structure

```
int   //Year to be viewed
```

XML-RPC (PHP structure)

```
[year] => int
```

?

```
REST (POST parameters)

year= int
```

month (Required)

Month to be viewed

```
General structure

int   //Month to be viewed
```

```
XML-RPC (PHP structure)

[month] => int
```

```
REST (POST parameters)

month= int
```

courseid (Default to "1")

Course being viewed

```
General structure

int  Default to "1" //Course being viewed
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

categoryid (Default to "null")

Category being viewed

```
General structure

int  Default to "null" //Category being viewed
```

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

includenavigation (Default to "1")

Whether to show course navigation

```
General structure

int  Default to "1" //Whether to show course navigation
```

```
XML-RPC (PHP structure)

[includenavigation] => int
```

?

```
REST (POST parameters)

includenavigation= int
```

mini (Default to "")

Whether to return the mini month view or not

```
General structure

int  Default to "" //Whether to return the mini month view or not
```

```
XML-RPC (PHP structure)

[mini] => int
```

```
REST (POST parameters)

mini= int
```

day (Default to "1")

Day to be viewed

```
General structure

int  Default to "1" //Day to be viewed
```

```
XML-RPC (PHP structure)

[day] => int
```

```
REST (POST parameters)

day= int
```

view (Default to "month")

The view mode of the calendar

```
General structure

string  Default to "month" //The view mode of the calendar
```

```
XML-RPC (PHP structure)

[view] => string
```

```
REST (POST parameters)

view= string
```

Response

?

```
General structure

object {
url string   //url
courseid int   //courseid
categoryid int  Optional //categoryid
filter_selector string  Optional //filter_selector
weeks   //weeks
list of (
object {
prepadding   //prepadding
list of (
int   //prepadding
)postpadding   //postpadding
list of (
int   //postpadding
)days   //days
list of (
object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
year int   //year
yday int   //yday
istoday int   //istoday
isweekend int   //isweekend
timestamp int   //timestamp
neweventtimestamp int   //neweventtimestamp
viewdaylink string  Optional //viewdaylink
viewdaylinktitle string  Optional //viewdaylinktitle
events   //events
list of (
object {
id int   //id
name string   //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string   //eventtype
timestart int   //timestart
timeduration int   //timeduration
timesort int   //timesort
timeusermidnight int   //timeusermidnight
visible int   //visible
timemodified int   //timemodified
overdue int  Optional //overdue
icon object {
key string   //key
component string   //component
alttext string   //alttext
iconurl string   //iconurl
iconclass string   //iconclass
}
category object {
id int   //id
name string   //name
idnumber string   //idnumber
description string  Optional //description
parent int   //parent
coursecount int   //coursecount
visible int   //visible
timemodified int   //timemodified
depth int   //depth
nestedname string   //nestedname
url string   //url
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
```

?

```
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
subscription object {
displayeventsource int   //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int   //canedit
candelete int   //candelete
deleteurl string   //deleteurl
editurl string   //editurl
viewurl string   //viewurl
formattedtime string   //formattedtime
formattedlocation string   //formattedlocation
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
islastday int   //islastday
popupname string   //popupname
mindaytimestamp int  Optional //mindaytimestamp
mindayerror string  Optional //mindayerror
maxdaytimestamp int  Optional //maxdaytimestamp
maxdayerror string  Optional //maxdayerror
draggable int   //draggable
}
)hasevents int   //hasevents
calendareventtypes   //calendareventtypes
list of (
string   //calendareventtypes
)previousperiod int   //previousperiod
nextperiod int   //nextperiod
haslastdayofevent int   //haslastdayofevent
popovertitle string   //popovertitle
daytitle string   //daytitle
}
)}
)daynames   //daynames
list of (
object {
dayno int   //dayno
shortname string   //shortname
fullname string   //fullname
}
)view string   //view
date object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
periodname string   //periodname
```

?

```
includenavigation int   //includenavigation
initialeventsloaded int   //initialeventsloaded
previousperiod object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
previousperiodlink string   //previousperiodlink
previousperiodname string   //previousperiodname
nextperiod object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
nextperiodname string   //nextperiodname
nextperiodlink string   //nextperiodlink
larrow string   //larrow
rarrow string   //rarrow
defaulteventcontext int   //defaulteventcontext
calendarinstanceid int   //calendarinstanceid
viewingmonth int   //viewingmonth
showviewselector int   //showviewselector
viewinginblock int   //viewinginblock
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [url] => string
    [courseid] => int
    [categoryid] => int
    [filter_selector] => string
    [weeks] =>
        Array
            (
            [0] =>
                Array
                    (
                    [prepadding] =>
                        Array
                            (
                            [0] => int
                            )
                    [postpadding] =>
                        Array
                            (
                            [0] => int
                            )
                    [days] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [seconds] => int
                                    [minutes] => int
                                    [hours] => int
                                    [mday] => int
                                    [wday] => int
                                    [year] => int
                                    [yday] => int
                                    [istoday] => int
                                    [isweekend] => int
                                    [timestamp] => int
                                    [neweventtimestamp] => int
                                    [viewdaylink] => string
                                    [viewdaylinktitle] => string
                                    [events] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [name] => string
                                                    [description] => string
                                                    [descriptionformat] => int
                                                    [location] => string
                                                    [categoryid] => int
                                                    [groupid] => int
                                                    [userid] => int
                                                    [repeatid] => int
                                                    [eventcount] => int
                                                    [component] => string
                                                    [modulename] => string
                                                    [activityname] => string
                                                    [activitystr] => string
                                                    [instance] => int
                                                    [eventtype] => string
                                                    [timestart] => int
                                                    [timeduration] => int
                                                    [timesort] => int
                                                    [timeusermidnight] => int
                                                    [visible] => int
                                                    [timemodified] => int
                                                    [overdue] => int
                                                    [icon] =>
                                                        Array
                                                            (
                                                            [key] => string
                                                            [component] => string
                                                            [alttext] => string
                                                            [iconurl] => string
                                                            [iconclass] => string
                                                            )
                                                    [category] =>
                                                        Array
                                                            (
```

?

```
                [id] => int
                [name] => string
                [idnumber] => string
                [description] => string
                [parent] => int
                [coursecount] => int
                [visible] => int
                [timemodified] => int
                [depth] => int
                [nestedname] => string
                [url] => string
                )
            [course] =>
                Array
                (
                [id] => int
                [fullname] => string
                [shortname] => string
                [idnumber] => string
                [summary] => string
                [summaryformat] => int
                [startdate] => int
                [enddate] => int
                [visible] => int
                [showactivitydates] => int
                [showcompletionconditions] => int
                [pdfexportfont] => string
                [fullnamedisplay] => string
                [viewurl] => string
                [courseimage] => string
                [progress] => int
                [hasprogress] => int
                [isfavourite] => int
                [hidden] => int
                [timeaccess] => int
                [showshortname] => int
                [coursecategory] => string
                )
            [subscription] =>
                Array
                (
                [displayeventsource] => int
                [subscriptionname] => string
                [subscriptionurl] => string
                )
            [canedit] => int
            [candelete] => int
            [deleteurl] => string
            [editurl] => string
            [viewurl] => string
            [formattedtime] => string
            [formattedlocation] => string
            [isactionevent] => int
            [iscourseevent] => int
            [iscategoryevent] => int
            [groupname] => string
            [normalisedeventtype] => string
            [normalisedeventtypetext] => string
            [action] =>
                Array
                (
                [name] => string
                [url] => string
                [itemcount] => int
                [actionable] => int
                [showitemcount] => int
                )
            [purpose] => string
            [url] => string
            [islastday] => int
            [popupname] => string
            [mindaytimestamp] => int
            [mindayerror] => string
            [maxdaytimestamp] => int
            [maxdayerror] => string
            [draggable] => int
            )
        )
[hasevents] => int
[calendareventtypes] =>
    Array
        (
        [0] => string
        )
[previousperiod] => int
```

?

```
                                [nextperiod] => int
                                [haslastdayofevent] => int
                                [popovertitle] => string
                                [daytitle] => string
                                )
                            )
                        )
                    )
    [daynames] =>
        Array
            (
            [0] =>
                Array
                    (
                    [dayno] => int
                    [shortname] => string
                    [fullname] => string
                    )
            )
    [view] => string
    [date] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    [periodname] => string
    [includenavigation] => int
    [initialeventsloaded] => int
    [previousperiod] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    [previousperiodlink] => string
    [previousperiodname] => string
    [nextperiod] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    [nextperiodname] => string
    [nextperiodlink] => string
    [larrow] => string
    [rarrow] => string
    [defaulteventcontext] => int
    [calendarinstanceid] => int
    [viewingmonth] => int
    [showviewselector] => int
    [viewinginblock] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="categoryid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filter_selector">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="weeks">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="prepadding">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="postpadding">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="days">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="seconds">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="minutes">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="hours">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mday">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="wday">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="year">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="yday">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="istoday">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isweekend">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timestamp">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="neweventtimestamp">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="viewdaylink">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="viewdaylinktitle">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="events">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="id">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="name">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="description">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="descriptionformat">
```


?

```
    <VALUE>int</VALUE>
</KEY>
<KEY name="location">
    <VALUE>string</VALUE>
</KEY>
<KEY name="categoryid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="userid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="repeatid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="eventcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="component">
    <VALUE>string</VALUE>
</KEY>
<KEY name="modulename">
    <VALUE>string</VALUE>
</KEY>
<KEY name="activityname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="activitystr">
    <VALUE>string</VALUE>
</KEY>
<KEY name="instance">
    <VALUE>int</VALUE>
</KEY>
<KEY name="eventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="timestart">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timeduration">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timesort">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timeusermidnight">
    <VALUE>int</VALUE>
</KEY>
<KEY name="visible">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="overdue">
    <VALUE>int</VALUE>
</KEY>
<KEY name="icon">
    <SINGLE>
        <KEY name="key">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="alttext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconclass">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="category">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
```


?

```
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
```


?

```
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
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</KEY>
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    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
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        </KEY>
        <KEY name="url">
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        </KEY>
        <KEY name="itemcount">
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        </KEY>
        <KEY name="actionable">
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        </KEY>
        <KEY name="showitemcount">
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        </KEY>
    </SINGLE>
```


?

```
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                                    </KEY>
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                                        <VALUE>string</VALUE>
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                                    <KEY name="maxdaytimestamp">
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                        </KEY>
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            </KEY>
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            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
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    </MULTIPLE>
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</KEY>
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        </KEY>
        <KEY name="minutes">
            <VALUE>int</VALUE>
```


?

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            </KEY>
            <KEY name="wday">
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            </KEY>
            <KEY name="mon">
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            </KEY>
            <KEY name="year">
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            </KEY>
            <KEY name="yday">
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            </KEY>
            <KEY name="weekday">
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            </KEY>
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            </KEY>
            <KEY name="minutes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hours">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="wday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mon">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="year">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="yday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="weekday">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="month">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="previousperiodlink">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="previousperiodname">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="nextperiod">
        <SINGLE>
            <KEY name="seconds">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="minutes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hours">
                <VALUE>int</VALUE>
            </KEY>
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            <KEY name="wday">
                <VALUE>int</VALUE>
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            <KEY name="mon">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="year">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="yday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="weekday">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="month">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="nextperiodname">
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    </KEY>
    <KEY name="nextperiodlink">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="larrow">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="rarrow">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="defaulteventcontext">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="calendarinstanceid">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="viewingmonth">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="showviewselector">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="viewinginblock">
        <VALUE>int</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_calendar_upcoming_view

Fetch the upcoming view data for a calendar

Arguments

courseid (Default to "1")

Course being viewed

```
General structure

int  Default to "1" //Course being viewed
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

categoryid (Default to "null")

Category being viewed

```
General structure

int  Default to "null" //Category being viewed
```

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

Response

?

```
General structure

object {
events  //events
list of (
object {
id int  //id
name string  //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string  //eventtype
timestart int  //timestart
timeduration int  //timeduration
timesort int  //timesort
timeusermidnight int  //timeusermidnight
visible int  //visible
timemodified int  //timemodified
overdue int  Optional //overdue
icon object {
key string  //key
component string  //component
alttext string  //alttext
iconurl string  //iconurl
iconclass string  //iconclass
}
category object {
id int  //id
name string  //name
idnumber string  //idnumber
description string  Optional //description
parent int  //parent
coursecount int  //coursecount
visible int  //visible
timemodified int  //timemodified
depth int  //depth
nestedname string  //nestedname
url string  //url
}
course object {
id int  //id
fullname string  //fullname
shortname string  //shortname
idnumber string  //idnumber
summary string  //summary
summaryformat int  //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int  //startdate
enddate int  //enddate
visible int  //visible
showactivitydates int  //showactivitydates
showcompletionconditions int  //showcompletionconditions
pdfexportfont string  //pdfexportfont
fullnamedisplay string  //fullnamedisplay
viewurl string  //viewurl
courseimage string  //courseimage
progress int  Optional //progress
hasprogress int  //hasprogress
isfavourite int  //isfavourite
hidden int  //hidden
timeaccess int  Optional //timeaccess
showshortname int  //showshortname
coursecategory string  //coursecategory
}
subscription object {
displayeventsource int  //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int  //canedit
candelete int  //candelete
deleteurl string  //deleteurl
editurl string  //editurl
viewurl string  //viewurl
formattedtime string  //formattedtime
formattedlocation string  //formattedlocation
```

?

```
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
islastday int   //islastday
popupname string   //popupname
mindaytimestamp int  Optional //mindaytimestamp
mindayerror string  Optional //mindayerror
maxdaytimestamp int  Optional //maxdaytimestamp
maxdayerror string  Optional //maxdayerror
draggable int   //draggable
}
)defaulteventcontext int   //defaulteventcontext
filter_selector string   //filter_selector
courseid int   //courseid
categoryid int  Optional //categoryid
isloggedin int   //isloggedin
date object {
seconds int   //seconds
minutes int   //minutes
hours int   //hours
mday int   //mday
wday int   //wday
mon int   //mon
year int   //year
yday int   //yday
weekday string   //weekday
month string   //month
timestamp int   //timestamp
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [events] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [location] => string
                    [categoryid] => int
                    [groupid] => int
                    [userid] => int
                    [repeatid] => int
                    [eventcount] => int
                    [component] => string
                    [modulename] => string
                    [activityname] => string
                    [activitystr] => string
                    [instance] => int
                    [eventtype] => string
                    [timestart] => int
                    [timeduration] => int
                    [timesort] => int
                    [timeusermidnight] => int
                    [visible] => int
                    [timemodified] => int
                    [overdue] => int
                    [icon] =>
                        Array
                            (
                            [key] => string
                            [component] => string
                            [alttext] => string
                            [iconurl] => string
                            [iconclass] => string
                            )
                    [category] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [idnumber] => string
                            [description] => string
                            [parent] => int
                            [coursecount] => int
                            [visible] => int
                            [timemodified] => int
                            [depth] => int
                            [nestedname] => string
                            [url] => string
                            )
                    [course] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [summary] => string
                            [summaryformat] => int
                            [startdate] => int
                            [enddate] => int
                            [visible] => int
                            [showactivitydates] => int
                            [showcompletionconditions] => int
                            [pdfexportfont] => string
                            [fullnamedisplay] => string
                            [viewurl] => string
                            [courseimage] => string
                            [progress] => int
                            [hasprogress] => int
                            [isfavourite] => int
                            [hidden] => int
                            [timeaccess] => int
                            [showshortname] => int
                            [coursecategory] => string
                            )
                    [subscription] =>
```

?

```
                        Array
                            (
                            [displayeventsource] => int
                            [subscriptionname] => string
                            [subscriptionurl] => string
                            )
                    [canedit] => int
                    [candelete] => int
                    [deleteurl] => string
                    [editurl] => string
                    [viewurl] => string
                    [formattedtime] => string
                    [formattedlocation] => string
                    [isactionevent] => int
                    [iscourseevent] => int
                    [iscategoryevent] => int
                    [groupname] => string
                    [normalisedeventtype] => string
                    [normalisedeventtypetext] => string
                    [action] =>
                        Array
                            (
                            [name] => string
                            [url] => string
                            [itemcount] => int
                            [actionable] => int
                            [showitemcount] => int
                            )
                    [purpose] => string
                    [url] => string
                    [islastday] => int
                    [popupname] => string
                    [mindaytimestamp] => int
                    [mindayerror] => string
                    [maxdaytimestamp] => int
                    [maxdayerror] => string
                    [draggable] => int
                    )
            )
    [defaulteventcontext] => int
    [filter_selector] => string
    [courseid] => int
    [categoryid] => int
    [isloggedin] => int
    [date] =>
        Array
            (
            [seconds] => int
            [minutes] => int
            [hours] => int
            [mday] => int
            [wday] => int
            [mon] => int
            [year] => int
            [yday] => int
            [weekday] => string
            [month] => string
            [timestamp] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
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    <SINGLE>
        <KEY name="events">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
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                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="location">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repeatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="modulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activityname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activitystr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeduration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timesort">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeusermidnight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overdue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
            <KEY name="alttext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
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            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
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            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
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        <SINGLE>
            <KEY name="id">
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            </KEY>
            <KEY name="fullname">
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            </KEY>
            <KEY name="shortname">
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            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
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            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
```


?

```
            </KEY>
            <KEY name="fullnamedisplay">
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            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="subscription">
        <SINGLE>
            <KEY name="displayeventsource">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="subscriptionname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="subscriptionurl">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="canedit">
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    </KEY>
    <KEY name="candelete">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="deleteurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="editurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="viewurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="formattedtime">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="formattedlocation">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="isactionevent">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="iscourseevent">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="iscategoryevent">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="groupname">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="normalisedeventtype">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="normalisedeventtypetext">
        <VALUE>string</VALUE>
    </KEY>
```


?

```
            <KEY name="action">
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="actionable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showitemcount">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="purpose">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="islastday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="popupname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mindaytimestamp">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mindayerror">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="maxdaytimestamp">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="maxdayerror">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="draggable">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="defaulteventcontext">
    <VALUE>int</VALUE>
</KEY>
<KEY name="filter_selector">
    <VALUE>string</VALUE>
</KEY>
<KEY name="courseid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="categoryid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isloggedin">
    <VALUE>int</VALUE>
</KEY>
<KEY name="date">
    <SINGLE>
        <KEY name="seconds">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="minutes">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hours">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="mday">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="wday">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="mon">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="year">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="yday">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="weekday">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="month">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_get_timestamps

Fetch unix timestamps for given date times.

Arguments

data (Required)

```
General structure

list of (
object {
key string  Optional //key
year int   //year
month int   //month
day int   //day
hour int  Optional //hour
minute int  Optional //minute
}
)
```

?

XML-RPC (PHP structure)

```
[data] =>
    Array
        (
        [0] =>
            Array
                (
                [key] => string
                [year] => int
                [month] => int
                [day] => int
                [hour] => int
                [minute] => int
                )
        )
```

REST (POST parameters)

```
data[0][key]= string
data[0][year]= int
data[0][month]= int
data[0][day]= int
data[0][hour]= int
data[0][minute]= int
```

Response

General structure

```
object {
timestamps list of (
object {
key string   //Timestamp key
timestamp int   //Unix timestamp
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [timestamps] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [key] => string
                        [timestamp] => int
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="timestamps">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="key">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestamp">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_submit_create_update_form

Submit form data for event form

Arguments

formdata (Required)

The data from the event form

```
General structure

string   //The data from the event form
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

?

```
General structure

object {
event object {
id int  //id
name string  //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string  //eventtype
timestart int  //timestart
timeduration int  //timeduration
timesort int  //timesort
timeusermidnight int  //timeusermidnight
visible int  //visible
timemodified int  //timemodified
overdue int  Optional //overdue
icon object {
key string  //key
component string  //component
alttext string  //alttext
iconurl string  //iconurl
iconclass string  //iconclass
}
category object {
id int  //id
name string  //name
idnumber string  //idnumber
description string  Optional //description
parent int  //parent
coursecount int  //coursecount
visible int  //visible
timemodified int  //timemodified
depth int  //depth
nestedname string  //nestedname
url string  //url
}
course object {
id int  //id
fullname string  //fullname
shortname string  //shortname
idnumber string  //idnumber
summary string  //summary
summaryformat int  //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int  //startdate
enddate int  //enddate
visible int  //visible
showactivitydates int  //showactivitydates
showcompletionconditions int  //showcompletionconditions
pdfexportfont string  //pdfexportfont
fullnamedisplay string  //fullnamedisplay
viewurl string  //viewurl
courseimage string  //courseimage
progress int  Optional //progress
hasprogress int  //hasprogress
isfavourite int  //isfavourite
hidden int  //hidden
timeaccess int  Optional //timeaccess
showshortname int  //showshortname
coursecategory string  //coursecategory
}
subscription object {
displayeventsource int  //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int  //canedit
candelete int  //candelete
deleteurl string  //deleteurl
editurl string  //editurl
viewurl string  //viewurl
formattedtime string  //formattedtime
formattedlocation string  //formattedlocation
isactionevent int  //isactionevent
iscourseevent int  //iscourseevent
```

?

```
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
validationerror int  Default to "" //Invalid form data
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [event] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [location] => string
            [categoryid] => int
            [groupid] => int
            [userid] => int
            [repeatid] => int
            [eventcount] => int
            [component] => string
            [modulename] => string
            [activityname] => string
            [activitystr] => string
            [instance] => int
            [eventtype] => string
            [timestart] => int
            [timeduration] => int
            [timesort] => int
            [timeusermidnight] => int
            [visible] => int
            [timemodified] => int
            [overdue] => int
            [icon] =>
                Array
                    (
                    [key] => string
                    [component] => string
                    [alttext] => string
                    [iconurl] => string
                    [iconclass] => string
                    )
            [category] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [idnumber] => string
                    [description] => string
                    [parent] => int
                    [coursecount] => int
                    [visible] => int
                    [timemodified] => int
                    [depth] => int
                    [nestedname] => string
                    [url] => string
                    )
            [course] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [summary] => string
                    [summaryformat] => int
                    [startdate] => int
                    [enddate] => int
                    [visible] => int
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [pdfexportfont] => string
                    [fullnamedisplay] => string
                    [viewurl] => string
                    [courseimage] => string
                    [progress] => int
                    [hasprogress] => int
                    [isfavourite] => int
                    [hidden] => int
                    [timeaccess] => int
                    [showshortname] => int
                    [coursecategory] => string
                    )
            [subscription] =>
                Array
                    (
                    [displayeventsource] => int
```

?

```
                [subscriptionname] => string
                [subscriptionurl] => string
                )
            [canedit] => int
            [candelete] => int
            [deleteurl] => string
            [editurl] => string
            [viewurl] => string
            [formattedtime] => string
            [formattedlocation] => string
            [isactionevent] => int
            [iscourseevent] => int
            [iscategoryevent] => int
            [groupname] => string
            [normalisedeventtype] => string
            [normalisedeventtypetext] => string
            [action] =>
                Array
                    (
                    [name] => string
                    [url] => string
                    [itemcount] => int
                    [actionable] => int
                    [showitemcount] => int
                    )
            [purpose] => string
            [url] => string
            )
    [validationerror] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="event">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="location">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="categoryid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="repeatid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modulename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activityname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activitystr">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instance">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventtype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeduration">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timesort">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeusermidnight">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="overdue">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="icon">
                    <SINGLE>
                        <KEY name="key">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="component">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="alttext">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="iconclass">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="category">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="parent">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="depth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="nestedname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="course">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="summary">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="summaryformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="startdate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="enddate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showactivitydates">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showcompletionconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pdfexportfont">
            <VALUE>string</VALUE>
        </KEY>
```


?

```
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
<KEY name="action">
```


?

```
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="url">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="itemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="actionable">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="showitemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="purpose">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="validationerror">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_calendar_update_event_start_day

Update the start day (but not time) for an event.

Arguments

eventid (Required)

Id of event to be updated

```
General structure

int   //Id of event to be updated
```

```
XML-RPC (PHP structure)

[eventid] => int
```

?

```
REST (POST parameters)

eventid= int
```

daytimestamp (Required)

Timestamp for the new start day

```
General structure

int   //Timestamp for the new start day
```

```
XML-RPC (PHP structure)

[daytimestamp] => int
```

```
REST (POST parameters)

daytimestamp= int
```

Response

?

```
General structure

object {
event object {
id int   //id
name string   //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
location string  Optional //location
categoryid int  Optional //categoryid
groupid int  Optional //groupid
userid int  Optional //userid
repeatid int  Optional //repeatid
eventcount int  Optional //eventcount
component string  Optional //component
modulename string  Optional //modulename
activityname string  Optional //activityname
activitystr string  Optional //activitystr
instance int  Optional //instance
eventtype string   //eventtype
timestart int   //timestart
timeduration int   //timeduration
timesort int   //timesort
timeusermidnight int   //timeusermidnight
visible int   //visible
timemodified int   //timemodified
overdue int  Optional //overdue
icon object {
key string   //key
component string   //component
alttext string   //alttext
iconurl string   //iconurl
iconclass string   //iconclass
}
category object {
id int   //id
name string   //name
idnumber string   //idnumber
description string  Optional //description
parent int   //parent
coursecount int   //coursecount
visible int   //visible
timemodified int   //timemodified
depth int   //depth
nestedname string   //nestedname
url string   //url
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
subscription object {
displayeventsource int   //displayeventsource
subscriptionname string  Optional //subscriptionname
subscriptionurl string  Optional //subscriptionurl
}
canedit int   //canedit
candelete int   //candelete
deleteurl string   //deleteurl
editurl string   //editurl
viewurl string   //viewurl
formattedtime string   //formattedtime
formattedlocation string   //formattedlocation
isactionevent int   //isactionevent
iscourseevent int   //iscourseevent
```

?

```
iscategoryevent int   //iscategoryevent
groupname string  Optional //groupname
normalisedeventtype string   //normalisedeventtype
normalisedeventtypetext string   //normalisedeventtypetext
action object {
name string   //name
url string   //url
itemcount int   //itemcount
actionable int   //actionable
showitemcount int   //showitemcount
}
purpose string   //purpose
url string   //url
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [event] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [location] => string
            [categoryid] => int
            [groupid] => int
            [userid] => int
            [repeatid] => int
            [eventcount] => int
            [component] => string
            [modulename] => string
            [activityname] => string
            [activitystr] => string
            [instance] => int
            [eventtype] => string
            [timestart] => int
            [timeduration] => int
            [timesort] => int
            [timeusermidnight] => int
            [visible] => int
            [timemodified] => int
            [overdue] => int
            [icon] =>
                Array
                    (
                    [key] => string
                    [component] => string
                    [alttext] => string
                    [iconurl] => string
                    [iconclass] => string
                    )
            [category] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [idnumber] => string
                    [description] => string
                    [parent] => int
                    [coursecount] => int
                    [visible] => int
                    [timemodified] => int
                    [depth] => int
                    [nestedname] => string
                    [url] => string
                    )
            [course] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [summary] => string
                    [summaryformat] => int
                    [startdate] => int
                    [enddate] => int
                    [visible] => int
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [pdfexportfont] => string
                    [fullnamedisplay] => string
                    [viewurl] => string
                    [courseimage] => string
                    [progress] => int
                    [hasprogress] => int
                    [isfavourite] => int
                    [hidden] => int
                    [timeaccess] => int
                    [showshortname] => int
                    [coursecategory] => string
                    )
            [subscription] =>
                Array
                    (
                    [displayeventsource] => int
```

?

```
                [subscriptionname] => string
                [subscriptionurl] => string
                )
            [canedit] => int
            [candelete] => int
            [deleteurl] => string
            [editurl] => string
            [viewurl] => string
            [formattedtime] => string
            [formattedlocation] => string
            [isactionevent] => int
            [iscourseevent] => int
            [iscategoryevent] => int
            [groupname] => string
            [normalisedeventtype] => string
            [normalisedeventtypetext] => string
            [action] =>
                Array
                    (
                    [name] => string
                    [url] => string
                    [itemcount] => int
                    [actionable] => int
                    [showitemcount] => int
                    )
            [purpose] => string
            [url] => string
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="event">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="location">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="categoryid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="repeatid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modulename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activityname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activitystr">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instance">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="eventtype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeduration">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timesort">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timeusermidnight">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="overdue">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="icon">
                    <SINGLE>
                        <KEY name="key">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="component">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="alttext">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="iconclass">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="category">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="nestedname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="course">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
        <KEY name="fullnamedisplay">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="courseimage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasprogress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeaccess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showshortname">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="coursecategory">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="subscription">
    <SINGLE>
        <KEY name="displayeventsource">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="subscriptionname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subscriptionurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="canedit">
    <VALUE>int</VALUE>
</KEY>
<KEY name="candelete">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deleteurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="editurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="viewurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedtime">
    <VALUE>string</VALUE>
</KEY>
<KEY name="formattedlocation">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isactionevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscourseevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscategoryevent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="normalisedeventtypetext">
    <VALUE>string</VALUE>
</KEY>
<KEY name="action">
```


?

```
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="url">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="itemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="actionable">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="showitemcount">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="purpose">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_change_editmode

Change the editing mode

Arguments

setmode (Required)

Set edit mode to

```
General structure

int   //Set edit mode to
```

```
XML-RPC (PHP structure)

[setmode] => int
```

?

```
REST (POST parameters)

setmode= int
```

context (Required)

Page context id

```
General structure

int   //Page context id
```

```
XML-RPC (PHP structure)

[context] => int
```

```
REST (POST parameters)

context= int
```

Response

editmode

```
General structure

  //editmode
object {
success int   //The edit mode was changed
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [success] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes ?

Callable from AJAX

Yes

core_cohort_add_cohort_members

Adds cohort members.

Arguments

members (Required)

```
General structure

list of (
object {
cohorttype object {
type string   //The name of the field: id
                                    (numeric value of cohortid) or idnumber (alphanumeric value of idnumber)
value string   //The value of the cohort
}
usertype object {
type string   //The name of the field: id
                                    (numeric value of id) or username (alphanumeric value of username)
value string   //The value of the cohort
}
}
)
```

```
XML-RPC (PHP structure)

[members] =>
    Array
        (
        [0] =>
            Array
                (
                [cohorttype] =>
                    Array
                        (
                        [type] => string
                        [value] => string
                        )
                [usertype] =>
                    Array
                        (
                        [type] => string
                        [value] => string
                        )
                )
        )
```

```
REST (POST parameters)

members[0][cohorttype][type]= string
members[0][cohorttype][value]= string
members[0][usertype][type]= string
members[0][usertype][value]= string
```

Response

?

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

No

core_cohort_create_cohorts

Creates new cohorts.

Arguments

cohorts (Required)

```
General structure

list of (
object {
categorytype object {
type string   //the name of the field: id (numeric value
                                        of course category id) or idnumber (alphanumeric value of idnumber course category)
                                        or system (value ignored)
value string   //the value of the categorytype
}
name string   //cohort name
idnumber string   //cohort idnumber
description string  Optional //cohort description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int  Optional //cohort visible
theme string  Optional //the cohort theme. The allowcohortthemes setting must be enabled on Moodle
customfields  Optional //Custom fields for the cohort
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)

[cohorts] =>
    Array
        (
        [0] =>
            Array
                (
                [categorytype] =>
                    Array
                        (
                        [type] => string
                        [value] => string
                        )
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [theme] => string
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

cohorts[0][categorytype][type]= string
cohorts[0][categorytype][value]= string
cohorts[0][name]= string
cohorts[0][idnumber]= string
cohorts[0][description]= string
cohorts[0][descriptionformat]= int
cohorts[0][visible]= int
cohorts[0][theme]= string
cohorts[0][customfields][0][shortname]= string
cohorts[0][customfields][0][value]= string
```

Response

```
General structure

list of (
object {
id int   //cohort id
name string   //cohort name
idnumber string   //cohort idnumber
description string   //cohort description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //cohort visible
theme string  Optional //cohort theme
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [theme] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_cohort_delete_cohort_members

Deletes cohort members.

Arguments

members (Required)

```
General structure

list of (
object {
cohortid int   //cohort record id
userid int   //user id
}
)
```

```
XML-RPC (PHP structure)

[members] =>
    Array
        (
        [0] =>
            Array
                (
                [cohortid] => int
                [userid] => int
                )
        )
```

```
REST (POST parameters)

members[0][cohortid]= int
members[0][userid]= int
```

Response

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_cohort_delete_cohorts

Deletes all specified cohorts.

Arguments

cohortids (Required)

```
General structure

list of (
int   //cohort ID
)
```

```
XML-RPC (PHP structure)

[cohortids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cohortids[0]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_cohort_get_cohort_members

Returns cohort members.

Arguments

cohortids (Required)

```
General structure

list of (
int   //Cohort ID
)
```

```
XML-RPC (PHP structure)

[cohortids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cohortids[0]= int
```

Response

```
General structure

list of (
object {
cohortid int   //cohort record id
userids list of (
int   //user id
)}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [cohortid] => int
                [userids] =>
                    Array
                        (
                        [0] => int
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="cohortid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userids">
                <MULTIPLE>
                    <VALUE>int</VALUE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_cohort_get_cohorts

Returns cohort details.

Arguments

cohortids (Default to "Array ( ) ")

List of cohort id. A cohort id is an integer.

```
General structure

 Default to "Array
(
)
" //List of cohort id. A cohort id is an integer.
list of (
int   //Cohort ID
)
```

```
XML-RPC (PHP structure)

[cohortids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cohortids[0]= int
```

?

Response

```
General structure

list of (
object {
id int   //ID of the cohort
name string   //cohort name
idnumber string   //cohort idnumber
description string   //cohort description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //cohort visible
theme string  Optional //cohort theme
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [theme] => string
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [shortname] => string
                                [type] => string
                                [valueraw] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="valueraw">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_cohort_search_cohorts

Search for cohorts. ?

Arguments

query (Required)

Query string

```
General structure

string   //Query string
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "parents")

What other contexts to fetch the frameworks from. (all, parents, self)

```
General structure

string  Default to "parents" //What other contexts to fetch the frameworks from. (all, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

limitfrom (Default to "0")

limitfrom we are fetching the records from

?

```
General structure

int  Default to "0" //limitfrom we are fetching the records from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "25")

Number of records to fetch

```
General structure

int  Default to "25" //Number of records to fetch
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

```
General structure

object {
cohorts list of (
object {
id int   //ID of the cohort
name string   //cohort name
idnumber string   //cohort idnumber
description string   //cohort description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //cohort visible
theme string  Optional //cohort theme
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [cohorts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [visible] => int
                    [theme] => string
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [shortname] => string
                                    [type] => string
                                    [valueraw] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cohorts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="theme">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="customfields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="shortname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="valueraw">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_cohort_update_cohorts

Updates existing cohorts.

Arguments

cohorts (Required)

```
General structure

list of (
object {
id int   //ID of the cohort
categorytype object {
type string   //the name of the field: id (numeric value
                                        of course category id) or idnumber (alphanumeric value of idnumber course category)
                                        or system (value ignored)
value string   //the value of the categorytype
}
name string   //cohort name
idnumber string   //cohort idnumber
description string  Optional //cohort description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int  Optional //cohort visible
theme string  Optional //the cohort theme. The allowcohortthemes setting must be enabled on Moodle
customfields  Optional //Custom fields for the cohort
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)

[cohorts] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [categorytype] =>
                    Array
                        (
                        [type] => string
                        [value] => string
                        )
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [theme] => string
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

cohorts[0][id]= int
cohorts[0][categorytype][type]= string
cohorts[0][categorytype][value]= string
cohorts[0][name]= string
cohorts[0][idnumber]= string
cohorts[0][description]= string
cohorts[0][descriptionformat]= int
cohorts[0][visible]= int
cohorts[0][theme]= string
cohorts[0][customfields][0][shortname]= string
cohorts[0][customfields][0][value]= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_comment_add_comments

Adds a comment or comments.

Arguments

comments (Required)

```
General structure

list of (
object {
contextlevel string   //contextlevel system, course, user...
instanceid int   //the id of item associated with the contextlevel
component string   //component
content string   //component
itemid int   //associated id
area string  Default to "" //string comment area
}
)
```

?

```
XML-RPC (PHP structure)

[comments] =>
    Array
        (
        [0] =>
            Array
                (
                [contextlevel] => string
                [instanceid] => int
                [component] => string
                [content] => string
                [itemid] => int
                [area] => string
                )
        )
```

```
REST (POST parameters)

comments[0][contextlevel]= string
comments[0][instanceid]= int
comments[0][component]= string
comments[0][content]= string
comments[0][itemid]= int
comments[0][area]= string
```

Response

```
General structure

list of (
  //comment
object {
id int   //Comment ID
content string   //The content text formatted
format int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timecreated int   //Time created (timestamp)
strftimeformat string   //Time format
profileurl string   //URL profile
fullname string   //fullname
time string   //Time in human format
avatar string   //HTML user picture
userid int   //User ID
delete int  Optional //Permission to delete=true/false
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [content] => string
                [format] => int
                [timecreated] => int
                [strftimeformat] => string
                [profileurl] => string
                [fullname] => string
                [time] => string
                [avatar] => string
                [userid] => int
                [delete] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="content">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="format">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="strftimeformat">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="time">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="avatar">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="delete">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_comment_delete_comments

Deletes a comment or comments.

Arguments

comments (Required)

?

```
General structure

list of (
int  Default to "0" //id of the comment
)
```

```
XML-RPC (PHP structure)

[comments] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

comments[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_comment_get_comments

Returns comments.

Arguments

contextlevel (Required)

contextlevel system, course, user...

```
General structure

string   //contextlevel system, course, user...
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Required)

the Instance id of item associated with the context level

```
General structure

int   //the Instance id of item associated with the context level
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

component (Required)

component

```
General structure

string   //component
```

?

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

itemid (Required)

associated id

```
General structure

int   //associated id
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

area (Default to "")

string comment area

```
General structure

string  Default to "" //string comment area
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

page (Default to "0")

page number (0 based)

```
General structure

int  Default to "0" //page number (0 based)
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

sortdirection (Default to "DESC")

Sort direction: ASC or DESC

```
General structure

string  Default to "DESC" //Sort direction: ASC or DESC
```

?

```
XML-RPC (PHP structure)

[sortdirection] => string
```

```
REST (POST parameters)

sortdirection= string
```

Response

```
General structure

object {
comments   //List of comments
list of (
  //comment
object {
id int   //Comment ID
content string   //The content text formatted
format int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timecreated int   //Time created (timestamp)
strftimeformat string   //Time format
profileurl string   //URL profile
fullname string   //fullname
time string   //Time in human format
avatar string   //HTML user picture
userid int   //User ID
delete int  Optional //Permission to delete=true/false
}
)count int  Optional //Total number of comments.
perpage int  Optional //Number of comments per page.
canpost int  Optional //Whether the user can post in this comment area.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [comments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [content] => string
                    [format] => int
                    [timecreated] => int
                    [strftimeformat] => string
                    [profileurl] => string
                    [fullname] => string
                    [time] => string
                    [avatar] => string
                    [userid] => int
                    [delete] => int
                    )
            )
    [count] => int
    [perpage] => int
    [canpost] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="comments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="strftimeformat">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="time">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="avatar">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="delete">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="perpage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_competency_add_competency_to_course

Add the competency to a course

Arguments

courseid (Required)

The course id

General structure

```
int   //The course id
```

XML-RPC (PHP structure)

```
[courseid] => int
```

REST (POST parameters)

```
courseid= int
```

competencyid (Required)

The competency id

General structure

```
int   //The competency id
```

XML-RPC (PHP structure)

```
[competencyid] => int
```

REST (POST parameters)

```
competencyid= int
```

Response

True if successful.

General structure

```
int   //True if successful.
```

?

XML-RPC (PHP structure)

```
int
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_add_competency_to_plan

Add the competency to a learning plan

Arguments

planid (Required)

The plan id

General structure

```
int   //The plan id
```

XML-RPC (PHP structure)

```
[planid] => int
```

REST (POST parameters)

```
planid= int
```

competencyid (Required)

The competency id

General structure

```
int   //The competency id
```

XML-RPC (PHP structure)

```
[competencyid] => int
```

?

```
REST (POST parameters)

competencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_add_competency_to_template

Add the competency to a template

Arguments

templateid (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[templateid] => int
```

?

```
REST (POST parameters)

templateid= int
```

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_add_related_competency

Adds a related competency ?

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

relatedcompetencyid (Required)

The related competency id

```
General structure

int   //The related competency id
```

```
XML-RPC (PHP structure)

[relatedcompetencyid] => int
```

```
REST (POST parameters)

relatedcompetencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_competency_approve_plan

Approve a plan.

Arguments
id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response
The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_competency_competency_framework_viewed

Log event competency framework viewed

Arguments
id (Required)

The competency framework id

```
General structure

int   //The competency framework id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response
True if the event competency framework was logged

```
General structure

int   //True if the event competency framework was logged
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users ?
Yes

Callable from AJAX

Yes

core_competency_competency_viewed

Log event competency viewed

Arguments

id (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the event competency viewed was logged

```
General structure

int   //True if the event competency viewed was logged
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_complete_plan

Complete learning plan.

Arguments

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

True if completing learning plan was successful

```
General structure

int   //True if completing learning plan was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes ?

core_competency_count_competencies

Count a list of a competencies.

Arguments

filters (Required)

```
General structure

list of (
object {
column string   //Column name to filter by
value string   //Value to filter by. Must be exact match
}
)
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [0] =>
            Array
                (
                [column] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

filters[0][column]= string
filters[0][value]= string
```

Response

The number of competencies found.

```
General structure

int   //The number of competencies found.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_competency_count_competencies_in_course

List the competencies in a course

Arguments
id (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response
The number of competencies in this course.

```
General structure

int   //The number of competencies in this course.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_count_competencies_in_template

Count a list of a competencies for a given template.

Arguments

id (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The number of competencies in this learning plan template.

```
General structure

int   //The number of competencies in this learning plan template.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes ?

Callable from AJAX

Yes

core_competency_count_competency_frameworks

Count a list of a competency frameworks.

Arguments

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "children")

What other contextes to fetch the frameworks from. (children, parents, self)

```
General structure

string  Default to "children" //What other contextes to fetch the frameworks from. (children, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

Response

The number of competency frameworks found.

```
General structure

int   //The number of competency frameworks found.
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_count_course_module_competencies

Count the competencies in a course module

Arguments

cmid (Required)

The course module id

```
General structure

int   //The course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

Response

The number of competencies found.

```
General structure

int   //The number of competencies found.
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_count_courses_using_competency

List the courses using a competency

Arguments

id (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The number of courses using this competency

```
General structure

int   //The number of courses using this competency
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_count_templates

Count a list of a learning plan templates.

Arguments

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "children")

What other contextes to fetch the frameworks from. (children, parents, self)

?

```
General structure

string  Default to "children" //What other contextes to fetch the frameworks from. (children, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

Response

The number of learning plan templates found.

```
General structure

int   //The number of learning plan templates found.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_count_templates_using_competency

Count a list of a learning plan templates for a given competency.

Arguments

id (Required)

The competency id

?

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The number of learning plan templates using this competency

```
General structure

int   //The number of learning plan templates using this competency
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_create_competency

Creates new competencies.

Arguments

competency (Required)

?

```
General structure

object {
shortname string   //shortname
idnumber string   //idnumber
description string  Default to "" //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int  Default to "0" //sortorder
parentid int  Default to "0" //parentid
path string  Default to "/0/" //path
ruleoutcome int  Default to "0" //ruleoutcome
ruletype string  Default to "null" //ruletype
ruleconfig string  Default to "null" //ruleconfig
scaleid int  Default to "null" //scaleid
scaleconfiguration string  Default to "null" //scaleconfiguration
competencyframeworkid int  Default to "0" //competencyframeworkid
timecreated int  Default to "0" //timecreated
timemodified int  Default to "0" //timemodified
usermodified int  Default to "0" //usermodified
}
```

```
XML-RPC (PHP structure)

[competency] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [sortorder] => int
        [parentid] => int
        [path] => string
        [ruleoutcome] => int
        [ruletype] => string
        [ruleconfig] => string
        [scaleid] => int
        [scaleconfiguration] => string
        [competencyframeworkid] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

competency[shortname]= string
competency[idnumber]= string
competency[description]= string
competency[descriptionformat]= int
competency[sortorder]= int
competency[parentid]= int
competency[path]= string
competency[ruleoutcome]= int
competency[ruletype]= string
competency[ruleconfig]= string
competency[scaleid]= int
competency[scaleconfiguration]= string
competency[competencyframeworkid]= int
competency[timecreated]= int
competency[timemodified]= int
competency[usermodified]= int
```

Response

?

General structure

```
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
```

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [idnumber] => string
    [description] => string
    [descriptionformat] => int
    [sortorder] => int
    [parentid] => int
    [path] => string
    [ruleoutcome] => int
    [ruletype] => string
    [ruleconfig] => string
    [scaleid] => int
    [scaleconfiguration] => string
    [competencyframeworkid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortorder">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="parentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="path">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleoutcome">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ruletype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleconfig">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="competencyframeworkid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_competency_create_competency_framework

Creates new competency frameworks.

Arguments

competencyframework (Required)

```
General structure

object {
shortname string   //shortname
idnumber string   //idnumber
description string  Default to "" //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int  Default to "1" //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int  Optional //The context id
contextlevel string  Optional //The context level
instanceid int  Optional //The Instance id
taxonomies string  Default to "" //taxonomies
timecreated int  Default to "0" //timecreated
timemodified int  Default to "0" //timemodified
usermodified int  Default to "0" //usermodified
}
```

```
XML-RPC (PHP structure)

[competencyframework] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [visible] => int
        [scaleid] => int
        [scaleconfiguration] => string
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        [taxonomies] => string
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

competencyframework[shortname]= string
competencyframework[idnumber]= string
competencyframework[description]= string
competencyframework[descriptionformat]= int
competencyframework[visible]= int
competencyframework[scaleid]= int
competencyframework[scaleconfiguration]= string
competencyframework[contextid]= int
competencyframework[contextlevel]= string
competencyframework[instanceid]= int
competencyframework[taxonomies]= string
competencyframework[timecreated]= int
competencyframework[timemodified]= int
competencyframework[usermodified]= int
```

Response

?

General structure

```
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [idnumber] => string
    [description] => string
    [descriptionformat] => int
    [visible] => int
    [scaleid] => int
    [scaleconfiguration] => string
    [contextid] => int
    [taxonomies] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [canmanage] => int
    [competenciescount] => int
    [contextname] => string
    [contextnamenoprefix] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_competency_create_plan

Creates a learning plan.

Arguments

plan (Required)

```
General structure

object {
name string   //name
description string  Default to "" //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int  Default to "null" //templateid
origtemplateid int  Default to "null" //origtemplateid
status int  Default to "0" //status
duedate int  Default to "0" //duedate
reviewerid int  Default to "null" //reviewerid
timecreated int  Default to "0" //timecreated
timemodified int  Default to "0" //timemodified
usermodified int  Default to "0" //usermodified
}
```

```
XML-RPC (PHP structure)

[plan] =>
    Array
        (
        [name] => string
        [description] => string
        [descriptionformat] => int
        [userid] => int
        [templateid] => int
        [origtemplateid] => int
        [status] => int
        [duedate] => int
        [reviewerid] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

plan[name]= string
plan[description]= string
plan[descriptionformat]= int
plan[userid]= int
plan[templateid]= int
plan[origtemplateid]= int
plan[status]= int
plan[duedate]= int
plan[reviewerid]= int
plan[timecreated]= int
plan[timemodified]= int
plan[usermodified]= int
```

Response

?

```
General structure

object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
```

?

```
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [description] => string
    [descriptionformat] => int
    [userid] => int
    [templateid] => int
    [origtemplateid] => int
    [status] => int
    [duedate] => int
    [reviewerid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [statusname] => string
    [isbasedontemplate] => int
    [canmanage] => int
    [canrequestreview] => int
    [canreview] => int
    [canbeedited] => int
    [isactive] => int
    [isdraft] => int
    [iscompleted] => int
    [isinreview] => int
    [iswaitingforreview] => int
    [isreopenallowed] => int
    [iscompleteallowed] => int
    [isunlinkallowed] => int
    [isrequestreviewallowed] => int
    [iscancelreviewrequestallowed] => int
    [isstartreviewallowed] => int
    [isstopreviewallowed] => int
    [isapproveallowed] => int
    [isunapproveallowed] => int
    [duedateformatted] => string
    [commentarea] =>
        Array
            (
            [component] => string
            [commentarea] => string
            [itemid] => int
            [courseid] => int
            [contextid] => int
            [cid] => string
            [autostart] => int
            [canpost] => int
            [canview] => int
            [count] => int
            [collapsediconkey] => string
            [displaytotalcount] => int
            [displaycancel] => int
            [fullwidth] => int
            [linktext] => string
            [notoggle] => int
            [template] => string
            [canpostorhascomments] => int
            )
    [reviewer] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [template] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
```

?

```
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    [url] => string
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="templateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="origtemplateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isbasedontemplate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canbeedited">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isactive">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isdraft">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isreopenallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleteallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isunlinkallowed">
            <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_create_template

Creates new learning plan templates.

Arguments

template (Required)

```
General structure

object {
shortname string   //shortname
description string  Default to "" //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int  Default to "0" //duedate
visible int  Default to "1" //visible
contextid int  Optional //The context id
contextlevel string  Optional //The context level
instanceid int  Optional //The Instance id
timecreated int  Default to "0" //timecreated
timemodified int  Default to "0" //timemodified
usermodified int  Default to "0" //usermodified
}
```

?

```
XML-RPC (PHP structure)

[template] =>
    Array
        (
        [shortname] => string
        [description] => string
        [descriptionformat] => int
        [duedate] => int
        [visible] => int
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

template[shortname]= string
template[description]= string
template[descriptionformat]= int
template[duedate]= int
template[visible]= int
template[contextid]= int
template[contextlevel]= string
template[instanceid]= int
template[timecreated]= int
template[timemodified]= int
template[usermodified]= int
```

Response

```
General structure

object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [description] => string
    [descriptionformat] => int
    [duedate] => int
    [visible] => int
    [contextid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [duedateformatted] => string
    [cohortscount] => int
    [planscount] => int
    [canmanage] => int
    [canread] => int
    [contextname] => string
    [contextnamenoprefix] => string
    )
```

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedateformatted">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="cohortscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="planscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_create_user_evidence_competency

Create an evidence of prior learning relationship with a competency.

Arguments

userevidenceid (Required)

The user evidence ID.

```
General structure

int   //The user evidence ID.
```

```
XML-RPC (PHP structure)

[userevidenceid] => int
```

```
REST (POST parameters)

userevidenceid= int
```

competencyid (Required)

The competency ID.

```
General structure

int   //The competency ID.
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

?

```
General structure

object {
userevidenceid int   //userevidenceid
competencyid int   //competencyid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [userevidenceid] => int
        [competencyid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userevidenceid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_delete_competency

?

Delete a competency.

Arguments

id (Required)

Data base record id for the competency

```
General structure

int   //Data base record id for the competency
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_delete_competency_framework

Delete a competency framework.

?

Arguments

id (Required)

Data base record id for the framework

```
General structure

int   //Data base record id for the framework
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_delete_evidence

Delete an evidence

Arguments

?

id (Required)

The evidence ID

```
General structure

int   //The evidence ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_delete_plan

Delete a learning plan.

Arguments

id (Required)

Data base record id for the learning plan ?

```
General structure

int   //Data base record id for the learning plan
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_delete_template

Delete a learning plan template.

Arguments

id (Required)

Data base record id for the template

?

```
General structure

int   //Data base record id for the template
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

deleteplans (Required)

Boolean to indicate if plans must be deleted

```
General structure

int   //Boolean to indicate if plans must be deleted
```

```
XML-RPC (PHP structure)

[deleteplans] => int
```

```
REST (POST parameters)

deleteplans= int
```

Response

True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX
Yes

core_competency_delete_user_evidence

Delete an evidence of prior learning.

Arguments
id (Required)

The user evidence ID.

```
General structure

int   //The user evidence ID.
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response
True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users
Yes

Callable from AJAX ?
Yes

core_competency_delete_user_evidence_competency

Delete an evidence of prior learning relationship with a competency.

Arguments

userevidenceid (Required)

The user evidence ID.

```
General structure

int   //The user evidence ID.
```

```
XML-RPC (PHP structure)

[userevidenceid] => int
```

```
REST (POST parameters)

userevidenceid= int
```

competencyid (Required)

The competency ID.

```
General structure

int   //The competency ID.
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

True if the delete was successful

```
General structure

int   //True if the delete was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_duplicate_competency_framework

Duplicate a competency framework.

Arguments

id (Required)

Data base record id for the framework

```
General structure

int   //Data base record id for the framework
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [idnumber] => string
    [description] => string
    [descriptionformat] => int
    [visible] => int
    [scaleid] => int
    [scaleconfiguration] => string
    [contextid] => int
    [taxonomies] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [canmanage] => int
    [competenciescount] => int
    [contextname] => string
    [contextnamenoprefix] => string
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_duplicate_template

Duplicate learning plan template.

Arguments

id (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [description] => string
    [descriptionformat] => int
    [duedate] => int
    [visible] => int
    [contextid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [duedateformatted] => string
    [cohortscount] => int
    [planscount] => int
    [canmanage] => int
    [canread] => int
    [contextname] => string
    [contextnamenoprefix] => string
    )
```

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedateformatted">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="cohortscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="planscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_get_scale_values

Fetch the values for a specific scale

Arguments

scaleid (Required)

The scale id

```
General structure

int   //The scale id
```

```
XML-RPC (PHP structure)

[scaleid] => int
```

```
REST (POST parameters)

scaleid= int
```

Response

```
General structure

list of (
object {
id int   //Scale value ID
name string   //Scale value name
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_grade_competency

Grade a competency.

Arguments

userid (Required)

User ID

```
General structure

int   //User ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

Competency ID

```
General structure

int   //Competency ID
```

?

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

grade (Required)

New grade

```
General structure

int   //New grade
```

```
XML-RPC (PHP structure)

[grade] => int
```

```
REST (POST parameters)

grade= int
```

note (Default to "null")

A note to attach to the evidence

```
General structure

string  Default to "null" //A note to attach to the evidence
```

```
XML-RPC (PHP structure)

[note] => string
```

```
REST (POST parameters)

note= string
```

Response

?

General structure

```
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
```

XML-RPC (PHP structure)

```
Array
    (
    [usercompetencyid] => int
    [contextid] => int
    [action] => int
    [actionuserid] => int
    [descidentifier] => string
    [desccomponent] => string
    [desca] => string
    [url] => string
    [grade] => int
    [note] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [actionuser] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [description] => string
    [gradename] => string
    [userdate] => string
    [candelete] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usercompetencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="action">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuserid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="descidentifier">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desccomponent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desca">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="note">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuser">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="institution">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="identity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
            </SINGLE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userdate">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="candelete">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_grade_competency_in_course

Grade a competency from the course page.

Arguments

courseid (Required)

Course id

```
General structure

int   //Course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

User id

```
General structure

int   //User id
```

?

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

Competency id

```
General structure

int   //Competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

grade (Required)

New grade

```
General structure

int   //New grade
```

```
XML-RPC (PHP structure)

[grade] => int
```

```
REST (POST parameters)

grade= int
```

note (Default to "null")

A note to attach to the evidence

```
General structure

string  Default to "null" //A note to attach to the evidence
```

```
XML-RPC (PHP structure)

[note] => string
```

```
REST (POST parameters)

note= string
```

Response

?

General structure

```
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
```

XML-RPC (PHP structure)

```
Array
    (
    [usercompetencyid] => int
    [contextid] => int
    [action] => int
    [actionuserid] => int
    [descidentifier] => string
    [desccomponent] => string
    [desca] => string
    [url] => string
    [grade] => int
    [note] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [actionuser] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [description] => string
    [gradename] => string
    [userdate] => string
    [candelete] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usercompetencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="action">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuserid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="descidentifier">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desccomponent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desca">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="note">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuser">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="institution">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="identity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
            </SINGLE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userdate">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="candelete">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_grade_competency_in_plan

Grade a competency from the user plan page.

Arguments

planid (Required)

Plan id

```
General structure

int   //Plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

competencyid (Required)

Competency id

```
General structure

int   //Competency id
```

?

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

grade (Required)

New grade

```
General structure

int   //New grade
```

```
XML-RPC (PHP structure)

[grade] => int
```

```
REST (POST parameters)

grade= int
```

note (Default to "null")

A note to attach to the evidence

```
General structure

string  Default to "null" //A note to attach to the evidence
```

```
XML-RPC (PHP structure)

[note] => string
```

```
REST (POST parameters)

note= string
```

Response

?

General structure

```
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
```

XML-RPC (PHP structure)

```
Array
    (
    [usercompetencyid] => int
    [contextid] => int
    [action] => int
    [actionuserid] => int
    [descidentifier] => string
    [desccomponent] => string
    [desca] => string
    [url] => string
    [grade] => int
    [note] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [actionuser] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [description] => string
    [gradename] => string
    [userdate] => string
    [candelete] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usercompetencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="action">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuserid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="descidentifier">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desccomponent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="desca">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="note">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="actionuser">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="institution">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="identity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
            </SINGLE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userdate">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="candelete">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_list_competencies

Load a list of a competencies.

Arguments

filters (Required)

```
General structure

list of (
object {
column string   //Column name to filter by
value string   //Value to filter by. Must be exact match
}
)
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [0] =>
            Array
                (
                [column] => string
                [value] => string
                )
        )
```

?

```
REST (POST parameters)

filters[0][column]= string
filters[0][value]= string
```

sort (Default to "")

Column to sort by.

```
General structure

string  Default to "" //Column to sort by.
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

order (Default to "")

Sort direction. Should be either ASC or DESC

```
General structure

string  Default to "" //Sort direction. Should be either ASC or DESC
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

skip (Default to "0")

Skip this number of records before returning results

```
General structure

int  Default to "0" //Skip this number of records before returning results
```

```
XML-RPC (PHP structure)

[skip] => int
```

```
REST (POST parameters)

skip= int
```

limit (Default to "0")

Return this number of records at most.

```
General structure

int  Default to "0" //Return this number of records at most.
```

```
XML-RPC (PHP structure)

[limit] => int
```

?

```
REST (POST parameters)

limit= int
```

Response

```
General structure

list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [sortorder] => int
                [parentid] => int
                [path] => string
                [ruleoutcome] => int
                [ruletype] => string
                [ruleconfig] => string
                [scaleid] => int
                [scaleconfiguration] => string
                [competencyframeworkid] => int
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_list_competencies_in_template

Load a list of a competencies for a given template.

Arguments

id (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [shortname] => string
            [idnumber] => string
            [description] => string
            [descriptionformat] => int
            [sortorder] => int
            [parentid] => int
            [path] => string
            [ruleoutcome] => int
            [ruletype] => string
            [ruleconfig] => string
            [scaleid] => int
            [scaleconfiguration] => string
            [competencyframeworkid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_list_competency_frameworks

Load a list of a competency frameworks.

Arguments

sort (Default to "shortname")

Column to sort by.

```
General structure

string  Default to "shortname" //Column to sort by.
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

order (Default to "")

Sort direction. Should be either ASC or DESC

```
General structure

string  Default to "" //Sort direction. Should be either ASC or DESC
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

skip (Default to "0")

Skip this number of records before returning results

```
General structure

int  Default to "0" //Skip this number of records before returning results
```

```
XML-RPC (PHP structure)

[skip] => int
```

```
REST (POST parameters)

skip= int
```

limit (Default to "0")

Return this number of records at most.

```
General structure

int  Default to "0" //Return this number of records at most.
```

?

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "children")

What other contextes to fetch the frameworks from. (children, parents, self)

```
General structure

string  Default to "children" //What other contextes to fetch the frameworks from. (children, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

onlyvisible (Default to "")

Only visible frameworks will be returned if visible true

```
General structure

int  Default to "" //Only visible frameworks will be returned if visible true
```

```
XML-RPC (PHP structure)

[onlyvisible] => int
```

```
REST (POST parameters)

onlyvisible= int
```

?

query (Default to "")

A query string to filter the results

```
General structure

string  Default to "" //A query string to filter the results
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

Response

```
General structure

list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [scaleid] => int
                [scaleconfiguration] => string
                [contextid] => int
                [taxonomies] => string
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [canmanage] => int
                [competenciescount] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="taxonomies">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competenciescount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_list_course_competencies

List the competencies in a course

Arguments

id (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
coursecompetency object {
courseid int   //courseid
competencyid int   //competencyid
sortorder int   //sortorder
ruleoutcome int   //ruleoutcome
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [competency] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            [coursecompetency] =>
                Array
                    (
                    [courseid] => int
                    [competencyid] => int
                    [sortorder] => int
                    [ruleoutcome] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="competency">
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="coursecompetency">
                <SINGLE>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="competencyid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
```


?

```
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_list_course_module_competencies

List the competencies in a course module

Arguments

cmid (Required)

The course module id

```
General structure

int   //The course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

Response

?

```
General structure

list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
coursemodulecompetency object {
cmid int   //cmid
competencyid int   //competencyid
sortorder int   //sortorder
ruleoutcome int   //ruleoutcome
overridegrade int   //overridegrade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [competency] =>
                    Array
                        (
                        [shortname] => string
                        [idnumber] => string
                        [description] => string
                        [descriptionformat] => int
                        [sortorder] => int
                        [parentid] => int
                        [path] => string
                        [ruleoutcome] => int
                        [ruletype] => string
                        [ruleconfig] => string
                        [scaleid] => int
                        [scaleconfiguration] => string
                        [competencyframeworkid] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        )
                [coursemodulecompetency] =>
                    Array
                        (
                        [cmid] => int
                        [competencyid] => int
                        [sortorder] => int
                        [ruleoutcome] => int
                        [overridegrade] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        )
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="competency">
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="coursemodulecompetency">
                <SINGLE>
                    <KEY name="cmid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="competencyid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overridegrade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
```


?

```
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_list_plan_competencies

List the competencies in a plan

Arguments

id (Required)

The plan ID.

```
General structure

int   //The plan ID.
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

```
General structure

list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
statusname string   //statusname
url string   //url
}
usercompetencyplan object {
userid int   //userid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
planid int   //planid
sortorder int   //sortorder
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [competency] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            [usercompetency] =>
                Array
                    (
                    [userid] => int
                    [competencyid] => int
                    [status] => int
                    [reviewerid] => int
                    [proficiency] => int
                    [grade] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [canrequestreview] => int
                    [canreview] => int
                    [gradename] => string
                    [isrequestreviewallowed] => int
                    [iscancelreviewrequestallowed] => int
                    [isstartreviewallowed] => int
                    [isstopreviewallowed] => int
                    [isstatusidle] => int
                    [isstatusinreview] => int
                    [isstatuswaitingforreview] => int
                    [proficiencyname] => string
                    [reviewer] =>
                        Array
                            (
                            [id] => int
                            [email] => string
                            [idnumber] => string
                            [phone1] => string
                            [phone2] => string
                            [department] => string
                            [institution] => string
                            [fullname] => string
                            [identity] => string
                            [profileurl] => string
                            [profileimageurl] => string
                            [profileimageurlsmall] => string
                            )
                    [statusname] => string
                    [url] => string
                    )
            [usercompetencyplan] =>
                Array
                    (
                    [userid] => int
                    [competencyid] => int
                    [proficiency] => int
                    [grade] => int
                    [planid] => int
                    [sortorder] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
```

?

```
                    [gradename] => string
                    [proficiencyname] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="competency">
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="usercompetency">
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="competencyid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="reviewerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="proficiency">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
```


?

```
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="usermodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="canrequestreview">
    <VALUE>int</VALUE>
</KEY>
<KEY name="canreview">
    <VALUE>int</VALUE>
</KEY>
<KEY name="gradename">
    <VALUE>string</VALUE>
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstatusidle">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstatusinreview">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstatuswaitingforreview">
    <VALUE>int</VALUE>
</KEY>
<KEY name="proficiencyname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="email">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="phone1">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="phone2">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="department">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="institution">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="identity">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileimageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileimageurlsmall">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="statusname">
    <VALUE>string</VALUE>
</KEY>
<KEY name="url">
```


?

```
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="usercompetencyplan">
            <SINGLE>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="competencyid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="proficiency">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="planid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sortorder">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="gradename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="proficiencyname">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
  </MULTIPLE>
</RESPONSE>
```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_list_templates

Load a list of a learning plan templates.

?

Arguments

sort (Default to "")

Column to sort by.

```
General structure

string  Default to "" //Column to sort by.
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

order (Default to "")

Sort direction. Should be either ASC or DESC

```
General structure

string  Default to "" //Sort direction. Should be either ASC or DESC
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

skip (Default to "0")

Skip this number of records before returning results

```
General structure

int  Default to "0" //Skip this number of records before returning results
```

```
XML-RPC (PHP structure)

[skip] => int
```

```
REST (POST parameters)

skip= int
```

limit (Default to "0")

Return this number of records at most.

```
General structure

int  Default to "0" //Return this number of records at most.
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

context (Required) ?

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "children")

What other contexts to fetch the templates from. (children, parents, self)

```
General structure

string  Default to "children" //What other contexts to fetch the templates from. (children, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

onlyvisible (Default to "")

If should list only visible templates

```
General structure

int  Default to "" //If should list only visible templates
```

```
XML-RPC (PHP structure)

[onlyvisible] => int
```

```
REST (POST parameters)

onlyvisible= int
```

Response

?

General structure

```
list of (
object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_list_templates_using_competency

Load a list of a learning plan templates for a given competency.

Arguments

id (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

list of (
object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_list_user_plans

List a user's learning plans.

Arguments

userid (Required)

The user ID

```
General structure

int   //The user ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

list of (
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
```

?

```
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [name] => string
            [description] => string
            [descriptionformat] => int
            [userid] => int
            [templateid] => int
            [origtemplateid] => int
            [status] => int
            [duedate] => int
            [reviewerid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [statusname] => string
            [isbasedontemplate] => int
            [canmanage] => int
            [canrequestreview] => int
            [canreview] => int
            [canbeedited] => int
            [isactive] => int
            [isdraft] => int
            [iscompleted] => int
            [isinreview] => int
            [iswaitingforreview] => int
            [isreopenallowed] => int
            [iscompleteallowed] => int
            [isunlinkallowed] => int
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isapproveallowed] => int
            [isunapproveallowed] => int
            [duedateformatted] => string
            [commentarea] =>
                Array
                    (
                    [component] => string
                    [commentarea] => string
                    [itemid] => int
                    [courseid] => int
                    [contextid] => int
                    [cid] => string
                    [autostart] => int
                    [canpost] => int
                    [canview] => int
                    [count] => int
                    [collapsediconkey] => string
                    [displaytotalcount] => int
                    [displaycancel] => int
                    [fullwidth] => int
                    [linktext] => string
                    [notoggle] => int
                    [template] => string
                    [canpostorhascomments] => int
                    )
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [template] =>
                Array
                    (
                    [shortname] => string
                    [description] => string
```

?

```
                    [descriptionformat] => int
                    [duedate] => int
                    [visible] => int
                    [contextid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [duedateformatted] => string
                    [cohortscount] => int
                    [planscount] => int
                    [canmanage] => int
                    [canread] => int
                    [contextname] => string
                    [contextnamenoprefix] => string
                    )
            [url] => string
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="templateid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="origtemplateid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="reviewerid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="statusname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isbasedontemplate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canrequestreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canbeedited">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isactive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isdraft">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscompleted">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isinreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iswaitingforreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isreopenallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscompleteallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isunlinkallowed">
```


?

```
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="isrequestreviewallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="iscancelreviewrequestallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="isstartreviewallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="isstopreviewallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="isapproveallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="isunapproveallowed">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="duedateformatted">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="commentarea">
        <SINGLE>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="commentarea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="autostart">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canpost">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="count">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="collapsediconkey">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="displaytotalcount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="displaycancel">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullwidth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="linktext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="notoggle">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="template">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="canpostorhascomments">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="reviewer">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
```


?

```
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="contextnamenoprefix">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_move_down_competency

Re-order a competency.

Arguments

id (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_move_up_competency

Re-order a competency.

Arguments

id (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_plan_cancel_review_request

Cancel the review of a plan.

Arguments

id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_plan_request_review

Request for a plan to be reviewed.

Arguments

id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_plan_start_review

Start the review of a plan.

Arguments

id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_plan_stop_review

Stop the review of a plan.

Arguments

id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

?

XML-RPC (PHP structure)

```
 int
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_read_competency

Load a summary of a competency.

Arguments

id (Required)

Data base record id for the competency

General structure

```
int   //Data base record id for the competency
```

XML-RPC (PHP structure)

```
[id] => int
```

REST (POST parameters)

```
id= int
```

Response

?

General structure

```
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
```

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [idnumber] => string
    [description] => string
    [descriptionformat] => int
    [sortorder] => int
    [parentid] => int
    [path] => string
    [ruleoutcome] => int
    [ruletype] => string
    [ruleconfig] => string
    [scaleid] => int
    [scaleconfiguration] => string
    [competencyframeworkid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortorder">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="parentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="path">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleoutcome">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ruletype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleconfig">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="competencyframeworkid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_competency_read_competency_framework

Load a summary of a competency framework.

Arguments

id (Required)

Data base record id for the framework

```
General structure

int   //Data base record id for the framework
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [visible] => int
        [scaleid] => int
        [scaleconfiguration] => string
        [contextid] => int
        [taxonomies] => string
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        [canmanage] => int
        [competenciescount] => int
        [contextname] => string
        [contextnamenoprefix] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_competency_read_plan

Load a learning plan.

Arguments

id (Required)

Data base record id for the plan

```
General structure

int   //Data base record id for the plan
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

```
General structure

object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
```

?

```
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [description] => string
    [descriptionformat] => int
    [userid] => int
    [templateid] => int
    [origtemplateid] => int
    [status] => int
    [duedate] => int
    [reviewerid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [statusname] => string
    [isbasedontemplate] => int
    [canmanage] => int
    [canrequestreview] => int
    [canreview] => int
    [canbeedited] => int
    [isactive] => int
    [isdraft] => int
    [iscompleted] => int
    [isinreview] => int
    [iswaitingforreview] => int
    [isreopenallowed] => int
    [iscompleteallowed] => int
    [isunlinkallowed] => int
    [isrequestreviewallowed] => int
    [iscancelreviewrequestallowed] => int
    [isstartreviewallowed] => int
    [isstopreviewallowed] => int
    [isapproveallowed] => int
    [isunapproveallowed] => int
    [duedateformatted] => string
    [commentarea] =>
        Array
            (
            [component] => string
            [commentarea] => string
            [itemid] => int
            [courseid] => int
            [contextid] => int
            [cid] => string
            [autostart] => int
            [canpost] => int
            [canview] => int
            [count] => int
            [collapsediconkey] => string
            [displaytotalcount] => int
            [displaycancel] => int
            [fullwidth] => int
            [linktext] => string
            [notoggle] => int
            [template] => string
            [canpostorhascomments] => int
            )
    [reviewer] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [template] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
```

?

```
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    [url] => string
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="templateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="origtemplateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isbasedontemplate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canbeedited">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isactive">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isdraft">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isreopenallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleteallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isunlinkallowed">
            <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_read_template

Load a summary of a learning plan template.

Arguments

id (Required)

Data base record id for the template

```
General structure

int   //Data base record id for the template
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

General structure

```
object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
```

XML-RPC (PHP structure)

```
Array
    (
    [shortname] => string
    [description] => string
    [descriptionformat] => int
    [duedate] => int
    [visible] => int
    [contextid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [duedateformatted] => string
    [cohortscount] => int
    [planscount] => int
    [canmanage] => int
    [canread] => int
    [contextname] => string
    [contextnamenoprefix] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedateformatted">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="cohortscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="planscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_competency_read_user_evidence

Read an evidence of prior learning.

Arguments

id (Required)

The user evidence ID.

```
General structure

int   //The user evidence ID.
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

```
General structure

object {
userid int   //userid
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competencycount int   //competencycount
competencies   //competencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)filecount int   //filecount
files   //files
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [userid] => int
    [name] => string
    [description] => string
    [descriptionformat] => int
    [url] => string
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [canmanage] => int
    [competencycount] => int
    [competencies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            )
    [filecount] => int
    [files] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    )
            )
    [hasurlorfiles] => int
    [urlshort] => string
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencycount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencies">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="filecount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="files">
        <MULTIPLE>
            <SINGLE>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="hasurlorfiles">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="urlshort">
        <VALUE>string</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_remove_competency_from_course

Remove a competency from a course

Arguments

courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

True if successful.

?

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_remove_competency_from_plan

Remove the competency from a learning plan

Arguments

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

?

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_remove_competency_from_template

Remove a competency from a template

Arguments

templateid (Required)

The template id

```
General structure

int   //The template id
```

?

```
XML-RPC (PHP structure)

[templateid] => int
```

```
REST (POST parameters)

templateid= int
```

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_competency_remove_related_competency

Remove a related competency

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

relatedcompetencyid (Required)

The related competency id

```
General structure

int   //The related competency id
```

```
XML-RPC (PHP structure)

[relatedcompetencyid] => int
```

```
REST (POST parameters)

relatedcompetencyid= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_reopen_plan

Reopen learning plan.

Arguments

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

True if reopening learning plan was successful

```
General structure

int   //True if reopening learning plan was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_reorder_course_competency

Move a course competency to a new relative sort order.

Arguments

courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

competencyidfrom (Required)

The competency id we are moving

```
General structure

int   //The competency id we are moving
```

```
XML-RPC (PHP structure)

[competencyidfrom] => int
```

```
REST (POST parameters)

competencyidfrom= int
```

competencyidto (Required)

The competency id we are moving to

```
General structure

int   //The competency id we are moving to
```

```
XML-RPC (PHP structure)

[competencyidto] => int
```

?

```
REST (POST parameters)

competencyidto= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_reorder_plan_competency

Move a plan competency to a new relative sort order.

Arguments

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

?

```
REST (POST parameters)

planid= int
```

competencyidfrom (Required)

The competency id we are moving

```
General structure

int   //The competency id we are moving
```

```
XML-RPC (PHP structure)

[competencyidfrom] => int
```

```
REST (POST parameters)

competencyidfrom= int
```

competencyidto (Required)

The competency id we are moving to

```
General structure

int   //The competency id we are moving to
```

```
XML-RPC (PHP structure)

[competencyidto] => int
```

```
REST (POST parameters)

competencyidto= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_reorder_template_competency

Move a template competency to a new relative sort order.

Arguments

templateid (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[templateid] => int
```

```
REST (POST parameters)

templateid= int
```

competencyidfrom (Required)

The competency id we are moving

```
General structure

int   //The competency id we are moving
```

```
XML-RPC (PHP structure)

[competencyidfrom] => int
```

```
REST (POST parameters)

competencyidfrom= int
```

competencyidto (Required)

The competency id we are moving to

```
General structure

int   //The competency id we are moving to
```

```
XML-RPC (PHP structure)

[competencyidto] => int
```

?

```
REST (POST parameters)

competencyidto= int
```

Response

True if successful.

```
General structure

int   //True if successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_request_review_of_user_evidence_linked_competencies

Send user evidence competencies in review

Arguments

id (Required)

The user evidence ID.

```
General structure

int   //The user evidence ID.
```

```
XML-RPC (PHP structure)

[id] => int
```

?

```
REST (POST parameters)

id= int
```

Response

True if all competencies were send to review

```
General structure

int   //True if all competencies were send to review
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_search_competencies

Search a list of a competencies.

Arguments

searchtext (Required)

Text to search for

```
General structure

string   //Text to search for
```

```
XML-RPC (PHP structure)

[searchtext] => string
```

?

```
REST (POST parameters)

searchtext= string
```

competencyframeworkid (Required)

Competency framework id

```
General structure

int   //Competency framework id
```

```
XML-RPC (PHP structure)

[competencyframeworkid] => int
```

```
REST (POST parameters)

competencyframeworkid= int
```

Response

```
General structure

list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [sortorder] => int
                [parentid] => int
                [path] => string
                [ruleoutcome] => int
                [ruletype] => string
                [ruleconfig] => string
                [scaleid] => int
                [scaleconfiguration] => string
                [competencyframeworkid] => int
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_set_course_competency_ruleoutcome

Modify the ruleoutcome value for course competency

Arguments

coursecompetencyid (Required)

Data base record id for the course competency

```
General structure

int   //Data base record id for the course competency
```

```
XML-RPC (PHP structure)

[coursecompetencyid] => int
```

```
REST (POST parameters)

coursecompetencyid= int
```

ruleoutcome (Required)

Ruleoutcome value

```
General structure

int   //Ruleoutcome value
```

```
XML-RPC (PHP structure)

[ruleoutcome] => int
```

```
REST (POST parameters)

ruleoutcome= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_set_parent_competency

Set a new parent for a competency.

Arguments

competencyid (Required)

The competency id

General structure

```
int   //The competency id
```

XML-RPC (PHP structure)

```
[competencyid] => int
```

REST (POST parameters)

```
competencyid= int
```

parentid (Required)

The new competency parent id

General structure

```
int   //The new competency parent id
```

XML-RPC (PHP structure)

```
[parentid] => int
```

REST (POST parameters)

```
parentid= int
```

Response

True if the update was successful

General structure

```
int   //True if the update was successful
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_template_has_related_data

Check if a template has related data

Arguments

id (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the template has related data

```
General structure

int   //True if the template has related data
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_template_viewed

Log event template viewed

Arguments

id (Required)

Data base record id for the template

```
General structure

int   //Data base record id for the template
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

True if the log of the view was successful

```
General structure

int   //True if the log of the view was successful
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_unapprove_plan

Unapprove a plan.

Arguments

id (Required)

The plan ID

```
General structure

int   //The plan ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

The success

```
General structure

int   //The success
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_unlink_plan_from_template

Unlink a plan form it template.

Arguments

planid (Required)

Data base record id for the plan

```
General structure

int   //Data base record id for the plan
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

True if the unlink was successful

```
General structure

int   //True if the unlink was successful
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_update_competency

Update a competency.

Arguments

competency (Required)

```
General structure

object {
shortname string  Optional //shortname
idnumber string  Optional //idnumber
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int  Optional //sortorder
parentid int  Optional //parentid
path string  Optional //path
ruleoutcome int  Optional //ruleoutcome
ruletype string  Optional //ruletype
ruleconfig string  Optional //ruleconfig
scaleid int  Optional //scaleid
scaleconfiguration string  Optional //scaleconfiguration
competencyframeworkid int  Optional //competencyframeworkid
id int   //id
timecreated int  Optional //timecreated
timemodified int  Optional //timemodified
usermodified int  Optional //usermodified
}
```

?

```
XML-RPC (PHP structure)

[competency] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [sortorder] => int
        [parentid] => int
        [path] => string
        [ruleoutcome] => int
        [ruletype] => string
        [ruleconfig] => string
        [scaleid] => int
        [scaleconfiguration] => string
        [competencyframeworkid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

competency[shortname]= string
competency[idnumber]= string
competency[description]= string
competency[descriptionformat]= int
competency[sortorder]= int
competency[parentid]= int
competency[path]= string
competency[ruleoutcome]= int
competency[ruletype]= string
competency[ruleconfig]= string
competency[scaleid]= int
competency[scaleconfiguration]= string
competency[competencyframeworkid]= int
competency[id]= int
competency[timecreated]= int
competency[timemodified]= int
competency[usermodified]= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_update_competency_framework

Update a competency framework.

Arguments

competencyframework (Required)

```
General structure

object {
shortname string  Optional //shortname
idnumber string  Optional //idnumber
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int  Optional //visible
scaleid int  Optional //scaleid
scaleconfiguration string  Optional //scaleconfiguration
contextid int  Optional //The context id
contextlevel string  Optional //The context level
instanceid int  Optional //The Instance id
taxonomies string  Optional //taxonomies
id int   //id
timecreated int  Optional //timecreated
timemodified int  Optional //timemodified
usermodified int  Optional //usermodified
}
```

```
XML-RPC (PHP structure)

[competencyframework] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [visible] => int
        [scaleid] => int
        [scaleconfiguration] => string
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        [taxonomies] => string
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

?

```
REST (POST parameters)

competencyframework[shortname]= string
competencyframework[idnumber]= string
competencyframework[description]= string
competencyframework[descriptionformat]= int
competencyframework[visible]= int
competencyframework[scaleid]= int
competencyframework[scaleconfiguration]= string
competencyframework[contextid]= int
competencyframework[contextlevel]= string
competencyframework[instanceid]= int
competencyframework[taxonomies]= string
competencyframework[id]= int
competencyframework[timecreated]= int
competencyframework[timemodified]= int
competencyframework[usermodified]= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_update_course_competency_settings

Update the course competency settings

Arguments

courseid (Required)

Course id for the course to update

?

```
General structure

int   //Course id for the course to update
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

settings (Required)

```
General structure

object {
pushratingstouserplans int   //New value of the setting
}
```

```
XML-RPC (PHP structure)

[settings] =>
    Array
        (
        [pushratingstouserplans] => int
        )
```

```
REST (POST parameters)

settings[pushratingstouserplans]= int
```

Response

True if the update was successful.

```
General structure

int   //True if the update was successful.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_competency_update_plan

Updates a learning plan.

Arguments
plan (Required)

```
General structure

object {
name string  Optional //name
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int  Optional //userid
templateid int  Optional //templateid
origtemplateid int  Optional //origtemplateid
status int  Optional //status
duedate int  Optional //duedate
reviewerid int  Optional //reviewerid
id int   //id
timecreated int  Optional //timecreated
timemodified int  Optional //timemodified
usermodified int  Optional //usermodified
}
```

```
XML-RPC (PHP structure)

[plan] =>
    Array
        (
        [name] => string
        [description] => string
        [descriptionformat] => int
        [userid] => int
        [templateid] => int
        [origtemplateid] => int
        [status] => int
        [duedate] => int
        [reviewerid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

plan[name]= string
plan[description]= string
plan[descriptionformat]= int
plan[userid]= int
plan[templateid]= int
plan[origtemplateid]= int
plan[status]= int
plan[duedate]= int
plan[reviewerid]= int
plan[id]= int
plan[timecreated]= int
plan[timemodified]= int
plan[usermodified]= int
```

?

Response

?

```
General structure

object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
```

?

```
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [description] => string
    [descriptionformat] => int
    [userid] => int
    [templateid] => int
    [origtemplateid] => int
    [status] => int
    [duedate] => int
    [reviewerid] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [statusname] => string
    [isbasedontemplate] => int
    [canmanage] => int
    [canrequestreview] => int
    [canreview] => int
    [canbeedited] => int
    [isactive] => int
    [isdraft] => int
    [iscompleted] => int
    [isinreview] => int
    [iswaitingforreview] => int
    [isreopenallowed] => int
    [iscompleteallowed] => int
    [isunlinkallowed] => int
    [isrequestreviewallowed] => int
    [iscancelreviewrequestallowed] => int
    [isstartreviewallowed] => int
    [isstopreviewallowed] => int
    [isapproveallowed] => int
    [isunapproveallowed] => int
    [duedateformatted] => string
    [commentarea] =>
        Array
            (
            [component] => string
            [commentarea] => string
            [itemid] => int
            [courseid] => int
            [contextid] => int
            [cid] => string
            [autostart] => int
            [canpost] => int
            [canview] => int
            [count] => int
            [collapsediconkey] => string
            [displaytotalcount] => int
            [displaycancel] => int
            [fullwidth] => int
            [linktext] => string
            [notoggle] => int
            [template] => string
            [canpostorhascomments] => int
            )
    [reviewer] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [template] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
```

?

```
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    [url] => string
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="templateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="origtemplateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isbasedontemplate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canbeedited">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isactive">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isdraft">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isreopenallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleteallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isunlinkallowed">
            <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_update_template

Update a learning plan template.

Arguments

template (Required)

```
General structure

object {
shortname string  Optional //shortname
description string  Optional //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int  Optional //duedate
visible int  Optional //visible
contextid int  Optional //The context id
contextlevel string  Optional //The context level
instanceid int  Optional //The Instance id
id int   //id
timecreated int  Optional //timecreated
timemodified int  Optional //timemodified
usermodified int  Optional //usermodified
}
```

?

```
XML-RPC (PHP structure)

[template] =>
    Array
        (
        [shortname] => string
        [description] => string
        [descriptionformat] => int
        [duedate] => int
        [visible] => int
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
```

```
REST (POST parameters)

template[shortname]= string
template[description]= string
template[descriptionformat]= int
template[duedate]= int
template[visible]= int
template[contextid]= int
template[contextlevel]= string
template[instanceid]= int
template[id]= int
template[timecreated]= int
template[timemodified]= int
template[usermodified]= int
```

Response

True if the update was successful

```
General structure

int   //True if the update was successful
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_competency_user_competency_cancel_review_request

Cancel a review request.

Arguments

userid (Required)

The user ID

```
General structure

int   //The user ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

The competency ID

```
General structure

int   //The competency ID
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_plan_viewed

Log the user competency plan viewed event.

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

userid (Required)

The user id

```
General structure

int   //The user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

?

```
REST (POST parameters)

planid= int
```

Response

True if the event user competency plan viewed was logged

```
General structure

int   //True if the event user competency plan viewed was logged
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_request_review

Request a review.

Arguments

userid (Required)

The user ID

```
General structure

int   //The user ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

?

```
REST (POST parameters)

userid= int
```

competencyid (Required)

The competency ID

```
General structure

int   //The competency ID
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_start_review

Start a review. ?

Arguments

userid (Required)

The user ID

```
General structure

int   //The user ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

The competency ID

```
General structure

int   //The competency ID
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_competency_user_competency_stop_review

Stop a review.

Arguments
userid (Required)

The user ID

```
General structure

int   //The user ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

The competency ID

```
General structure

int   //The competency ID
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response
The success

```
General structure

int   //The success
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_viewed

Log the user competency viewed event.

Arguments

usercompetencyid (Required)

The user competency id

```
General structure

int   //The user competency id
```

```
XML-RPC (PHP structure)

[usercompetencyid] => int
```

```
REST (POST parameters)

usercompetencyid= int
```

Response

True if the event user competency viewed was logged

```
General structure

int   //True if the event user competency viewed was logged
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_viewed_in_course

Log the user competency viewed in course event

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

userid (Required)

The user id

```
General structure

int   //The user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

?

courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

True if the event user competency viewed in course was logged

```
General structure

int   //True if the event user competency viewed in course was logged
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_competency_user_competency_viewed_in_plan

Log the user competency viewed in plan event.

Arguments

competencyid (Required)

The competency id ?

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

userid (Required)

The user id

```
General structure

int   //The user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

True if the event user competency viewed in plan was logged

```
General structure

int   //True if the event user competency viewed in plan was logged
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_completion_get_activities_completion_status

Return the activities completion status for a user in a course.

Arguments

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

User ID

```
General structure

int   //User ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
statuses   //List of activities status
list of (
  //Activity
object {
cmid int   //course module ID
modname string   //activity module name
instance int   //instance ID
state int   //Completion state value:
                                    0 means incomplete,
                                    1 complete,
                                    2 complete pass,
                                    3 complete fail
timecompleted int   //timestamp for completed activity
tracking int   //type of tracking:
                                    0 means none,
                                    1 manual,
                                    2 automatic
overrideby int  Optional //The user id who has overriden the status, or null
valueused int  Optional //Whether the completion status affects the availability of another activity.
hascompletion int  Optional //Whether this activity module has completion enabled
isautomatic int  Optional //Whether this activity module instance tracks completion automatically.
istrackeduser int  Optional //Whether completion is being tracked for this user.
uservisible int  Optional //Whether this activity is visible to the user.
details  Default to "Array
(
)
" //Completion status details
list of (
object {
rulename string   //Rule name
rulevalue object {
status int   //Completion status
description string   //Completion description
}
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [statuses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [cmid] => int
                    [modname] => string
                    [instance] => int
                    [state] => int
                    [timecompleted] => int
                    [tracking] => int
                    [overrideby] => int
                    [valueused] => int
                    [hascompletion] => int
                    [isautomatic] => int
                    [istrackeduser] => int
                    [uservisible] => int
                    [details] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [rulename] => string
                                    [rulevalue] =>
                                        Array
                                            (
                                            [status] => int
                                            [description] => string
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="statuses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="cmid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instance">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecompleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tracking">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overrideby">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="valueused">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hascompletion">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isautomatic">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="istrackeduser">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uservisible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="details">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="rulename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="rulevalue">
                                    <SINGLE>
                                        <KEY name="status">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="description">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
```


?

```
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_completion_get_course_completion_status

Returns course completion status.

Arguments

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

User ID

```
General structure

int   //User ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

Course completion status

```
General structure

  //Course completion status
object {
completionstatus   //Course status
object {
completed int   //true if the course is complete, false otherwise
aggregation int   //aggregation method 1 means all, 2 means any
completions list of (
  //Completions
object {
type int   //Completion criteria type
title string   //Completion criteria Title
status string   //Completion status (Yes/No) a % or number
complete int   //Completion status (true/false)
timecompleted int   //Timestamp for criteria completetion
details   //details
object {
type string   //Type description
criteria string   //Criteria description
requirement string   //Requirement description
status string   //Status description, can be anything
}
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [completionstatus] =>
        Array
            (
            [completed] => int
            [aggregation] => int
            [completions] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => int
                            [title] => string
                            [status] => string
                            [complete] => int
                            [timecompleted] => int
                            [details] =>
                                Array
                                    (
                                    [type] => string
                                    [criteria] => string
                                    [requirement] => string
                                    [status] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="completionstatus">
            <SINGLE>
                <KEY name="completed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="aggregation">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completions">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="status">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="complete">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecompleted">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="details">
                                <SINGLE>
                                    <KEY name="type">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="criteria">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="requirement">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="status">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_completion_mark_course_self_completed

Update the course completion status for the current user (if course self-completion is enabled).

Arguments

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
status int   //status, true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_completion_override_activity_completion_status

Update completion status for a user in an activity by overriding it.

?

Arguments

userid (Required)

user id

```
General structure

int   //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

cmid (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

newstate (Required)

the new activity completion state

```
General structure

int   //the new activity completion state
```

```
XML-RPC (PHP structure)

[newstate] => int
```

```
REST (POST parameters)

newstate= int
```

Response

```
General structure

object {
cmid int   //The course module id
userid int   //The user id to which the completion info belongs
state int   //The current completion state.
timecompleted int   //time of completion
overrideby int   //The user id who has overriden the status, or null
tracking int   //type of tracking:
                                                                    0 means none, 1 manual, 2 automatic
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [cmid] => int
    [userid] => int
    [state] => int
    [timecompleted] => int
    [overrideby] => int
    [tracking] => int
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cmid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="state">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="overrideby">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="tracking">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_completion_update_activity_completion_status_manually

Update completion status for the current user in an activity, only for activities with manual tracking.

Arguments

cmid (Required)

course module id

?

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

completed (Required)

activity completed or not

```
General structure

int   //activity completed or not
```

```
XML-RPC (PHP structure)

[completed] => int
```

```
REST (POST parameters)

completed= int
```

Response

```
General structure

object {
status int   //status, true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_contentbank_copy_content

Copy a content in the content bank.

Arguments

contentid (Required)

The content id to copy

General structure

```
int   //The content id to copy
```

XML-RPC (PHP structure)

```
[contentid] => int
```

?

```
REST (POST parameters)

contentid= int
```

name (Required)

The new name for the content

```
General structure

string   //The new name for the content
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

Response

```
General structure

object {
id int   //The id of the new content
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_contentbank_delete_content

Delete a content from the content bank.

Arguments

contentids (Required)

```
General structure

list of (
int   //The content id to delete
)
```

```
XML-RPC (PHP structure)

[contentids] =>
    Array
        (
        [0] => int
        )
```

?

```
REST (POST parameters)

contentids[0]= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_contentbank_rename_content

Rename a content in the content bank.

Arguments

contentid (Required)

The content id to rename

```
General structure

int   //The content id to rename
```

```
XML-RPC (PHP structure)

[contentid] => int
```

```
REST (POST parameters)

contentid= int
```

name (Required)

The new name for the content

```
General structure

string   //The new name for the content
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

Response

?

General structure

```
object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_contentbank_set_content_visibility

Set the visibility of a content in the content bank.

Arguments
contentid (Required)

The content id to rename

```
General structure

int   //The content id to rename
```

```
XML-RPC (PHP structure)

[contentid] => int
```

```
REST (POST parameters)

contentid= int
```

visibility (Required)

The new visibility for the content

```
General structure

int   //The new visibility for the content
```

```
XML-RPC (PHP structure)

[visibility] => int
```

```
REST (POST parameters)

visibility= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_add_content_item_to_user_favourites

Adds a content item (activity, resource or their subtypes) to the favourites for the user.

?

Arguments

componentname (Required)

frankenstyle name of the component to which the content item belongs

```
General structure

string   //frankenstyle name of the component to which the content item belongs
```

```
XML-RPC (PHP structure)

[componentname] => string
```

```
REST (POST parameters)

componentname= string
```

contentitemid (Required)

id of the content item

```
General structure

int   //id of the content item
```

```
XML-RPC (PHP structure)

[contentitemid] => int
```

```
REST (POST parameters)

contentitemid= int
```

Response

```
General structure

object {
id int   //The id of the content item
name string   //Name of the content item
title string   //The string title of the content item, human readable
link string   //The link to the content item creation page
icon string   //Html containing the icon for the content item
help string   //Html description / help for the content item
archetype string   //The archetype of the module exposing the content item
componentname string   //The name of the component exposing the content item
purpose string   //The purpose of the component exposing the content item
favourite int   //Has the user favourited the content item
legacyitem int   //If this item was pulled from the old callback and has no item id.
recommended int   //Has this item been recommended
}
```

```
XML-RPC (PHP structure)

    Array
        (
        [id] => int
        [name] => string
        [title] => string
        [link] => string
        [icon] => string
        [help] => string
        [archetype] => string
        [componentname] => string
        [purpose] => string
        [favourite] => int
        [legacyitem] => int
        [recommended] => int
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="title">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="link">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="icon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="help">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="archetype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="componentname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="purpose">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="favourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="legacyitem">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="recommended">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_check_updates

Check if there is updates affecting the user for the given course and contexts.

Arguments

courseid (Required)

Course id to check ?

```
General structure

int   //Course id to check
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

tocheck (Required)

Instances to check

```
General structure

  //Instances to check
list of (
object {
contextlevel string   //The context level for the file location.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Only module supported right now.
id int   //Context instance id
since int   //Check updates since this time stamp
}
)
```

```
XML-RPC (PHP structure)

[tocheck] =>
    Array
        (
        [0] =>
            Array
                (
                [contextlevel] => string
                [id] => int
                [since] => int
                )
        )
```

```
REST (POST parameters)

tocheck[0][contextlevel]= string
tocheck[0][id]= int
tocheck[0][since]= int
```

filter (Default to "Array ( ) ")

Check only for updates in these areas

```
General structure

 Default to "Array
(
)
" //Check only for updates in these areas
list of (
string   //Area name: configuration, fileareas, completion, ratings, comments,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gradeitems, outcomes
)
```

```
XML-RPC (PHP structure)

[filter] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

filter[0]= string
```

?

Response

```
General structure

object {
instances list of (
object {
contextlevel string   //The context level
id int   //Instance id
updates list of (
object {
name string   //Name of the area updated.
timeupdated int  Optional //Last time was updated
itemids  Optional //The ids of the items updated
list of (
int   //Instance id
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [instances] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [contextlevel] => string
                        [id] => int
                        [updates] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [name] => string
                                        [timeupdated] => int
                                        [itemids] =>
                                            Array
                                                (
                                                [0] => int
                                                )
                                        )
                                )
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="instances">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="contextlevel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="updates">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timeupdated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="itemids">
                                    <MULTIPLE>
                                        <VALUE>int</VALUE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_create_categories ?

Create course categories

Arguments

categories (Required)

```
General structure

list of (
object {
name string   //new category name
parent int  Default to "0" //the parent category id inside which the new category will be created
                                - set to 0 for a root category
idnumber string  Optional //the new category idnumber
description string  Optional //the new category description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
theme string  Optional //the new category theme. This option must be enabled on moodle
}
)
```

```
XML-RPC (PHP structure)

[categories] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [parent] => int
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [theme] => string
                )
        )
```

```
REST (POST parameters)

categories[0][name]= string
categories[0][parent]= int
categories[0][idnumber]= string
categories[0][description]= string
categories[0][descriptionformat]= int
categories[0][theme]= string
```

Response

```
General structure

list of (
object {
id int   //new category id
name string   //new category name
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_create_courses

Create new courses

Arguments

courses (Required)

courses to create

?

```
General structure

  //courses to create
list of (
object {
fullname string   //full name
shortname string   //course short name
categoryid int   //category id
idnumber string  Optional //id number
summary string  Optional //summary
summaryformat int  Default to "1" //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
format string  Default to "topics" //course format: weeks, topics, social, site,..
showgrades int  Default to "1" //1 if grades are shown, otherwise 0
newsitems int  Default to "5" //number of recent items appearing on the course page
startdate int  Optional //timestamp when the course start
enddate int  Optional //timestamp when the course end
numsections int  Optional //(deprecated, use courseformatoptions) number of weeks/topics
maxbytes int  Default to "0" //largest size of file that can be uploaded into the course
showreports int  Default to "0" //are activity report shown (yes = 1, no =0)
visible int  Optional //1: available to student, 0:not available
hiddensections int  Optional //(deprecated, use courseformatoptions) How the hidden sections in the course are displayed to students
groupmode int  Default to "0" //no group, separate, visible
groupmodeforce int  Default to "0" //1: yes, 0: no
defaultgroupingid int  Default to "0" //default grouping id
enablecompletion int  Optional //Enabled, control via completion and activity settings. Disabled,
                                       not shown in activity settings.
completionnotify int  Optional //1: yes 0: no
lang string  Optional //forced course language
forcetheme string  Optional //name of the force theme
courseformatoptions  Optional //additional options for particular course format
list of (
object {
name string   //course format option name
value string   //course format option value
}
)customfields  Optional //custom fields for the course
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

?

```
XML-RPC (PHP structure)

[courses] =>
    Array
        (
        [0] =>
            Array
                (
                [fullname] => string
                [shortname] => string
                [categoryid] => int
                [idnumber] => string
                [summary] => string
                [summaryformat] => int
                [format] => string
                [showgrades] => int
                [newsitems] => int
                [startdate] => int
                [enddate] => int
                [numsections] => int
                [maxbytes] => int
                [showreports] => int
                [visible] => int
                [hiddensections] => int
                [groupmode] => int
                [groupmodeforce] => int
                [defaultgroupingid] => int
                [enablecompletion] => int
                [completionnotify] => int
                [lang] => string
                [forcetheme] => string
                [courseformatoptions] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [value] => string
                                )
                        )
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

courses[0][fullname]= string
courses[0][shortname]= string
courses[0][categoryid]= int
courses[0][idnumber]= string
courses[0][summary]= string
courses[0][summaryformat]= int
courses[0][format]= string
courses[0][showgrades]= int
courses[0][newsitems]= int
courses[0][startdate]= int
courses[0][enddate]= int
courses[0][numsections]= int
courses[0][maxbytes]= int
courses[0][showreports]= int
courses[0][visible]= int
courses[0][hiddensections]= int
courses[0][groupmode]= int
courses[0][groupmodeforce]= int
courses[0][defaultgroupingid]= int
courses[0][enablecompletion]= int
courses[0][completionnotify]= int
courses[0][lang]= string
courses[0][forcetheme]= string
courses[0][courseformatoptions][0][name]= string
courses[0][courseformatoptions][0][value]= string
courses[0][customfields][0][shortname]= string
courses[0][customfields][0][value]= string
```

Response

```
General structure

list of (
object {
id int   //course id
shortname string   //short name
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [shortname] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_delete_categories

Delete course categories

Arguments

categories (Required)

```
General structure

list of (
object {
id int   //category id to delete
newparent int  Optional //the parent category to move the contents to, if specified
recursive int  Default to "0" //1: recursively delete all contents inside this
                                category, 0 (default): move contents to newparent or current parent category (except if parent is root)
}
)
```

```
XML-RPC (PHP structure)

[categories] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [newparent] => int
                [recursive] => int
                )
        )
```

```
REST (POST parameters)

categories[0][id]= int
categories[0][newparent]= int
categories[0][recursive]= int
```

Response

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_delete_courses

Deletes all specified courses

Arguments

courseids (Required)

```
General structure

list of (
int   //course ID
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_delete_modules

Deletes all specified module instances

Arguments

?

cmids (Required)

Array of course module IDs

```
General structure

  //Array of course module IDs
list of (
int   //course module ID
)
```

```
XML-RPC (PHP structure)

[cmids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cmids[0]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_duplicate_course

Duplicate an existing course (creating a new one).

Arguments

courseid (Required)

course to duplicate id

```
General structure

int   //course to duplicate id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

?

fullname (Required)

duplicated course full name

```
General structure

string   //duplicated course full name
```

```
XML-RPC (PHP structure)

[fullname] => string
```

```
REST (POST parameters)

fullname= string
```

shortname (Required)

duplicated course short name

```
General structure

string   //duplicated course short name
```

```
XML-RPC (PHP structure)

[shortname] => string
```

```
REST (POST parameters)

shortname= string
```

categoryid (Required)

duplicated course category parent

```
General structure

int   //duplicated course category parent
```

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

visible (Default to "1")

duplicated course visible, default to yes

```
General structure

int  Default to "1" //duplicated course visible, default to yes
```

```
XML-RPC (PHP structure)

[visible] => int
```

```
REST (POST parameters)

visible= int
```

options (Default to "Array ( ) ")

Course duplication options ?

```
General structure

 Default to "Array
(
)
" //Course duplication options
list of (
object {
name string   //The backup option name:
                                        "activities" (int) Include course activites (default to 1 that is equal to yes),
                                        "blocks" (int) Include course blocks (default to 1 that is equal to yes),
                                        "filters" (int) Include course filters  (default to 1 that is equal to yes),
                                        "users" (int) Include users (default to 0 that is equal to no),
                                        "enrolments" (int) Include enrolment methods (default to 1 - restore only with users),
                                        "role_assignments" (int) Include role assignments  (default to 0 that is equal to no),
                                        "comments" (int) Include user comments  (default to 0 that is equal to no),
                                        "userscompletion" (int) Include user course completion information  (default to 0 that is equal to no),
                                        "logs" (int) Include course logs  (default to 0 that is equal to no),
                                        "grade_histories" (int) Include histories  (default to 0 that is equal to no)
value string   //the value for the option 1 (yes) or 0 (no)
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

```
General structure

object {
id int   //course id
shortname string   //short name
}
```

```
XML-RPC (PHP structure)



    Array
        (
        [id] => int
        [shortname] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_edit_module

Performs an action on course module (change visibility, duplicate, delete, etc.)

Arguments

action (Required)

action: hide, show, stealth, duplicate, delete, moveleft, moveright, group...

```
General structure

string   //action: hide, show, stealth, duplicate, delete, moveleft, moveright, group...
```

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

id (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

sectionreturn (Default to "null")

section to return to

```
General structure

int  Default to "null" //section to return to
```

?

```
XML-RPC (PHP structure)

[sectionreturn] => int
```

```
REST (POST parameters)

sectionreturn= int
```

Response

html to replace the current module with

```
General structure

string   //html to replace the current module with
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_edit_section

Performs an action on course section (change visibility, set marker, delete)

Arguments

action (Required)

action: hide, show, stealth, setmarker, removemarker

```
General structure

string   //action: hide, show, stealth, setmarker, removemarker
```

?

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

id (Required)

course section id

```
General structure

int   //course section id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

sectionreturn (Default to "null")

section to return to

```
General structure

int  Default to "null" //section to return to
```

```
XML-RPC (PHP structure)

[sectionreturn] => int
```

```
REST (POST parameters)

sectionreturn= int
```

Response

Additional data for javascript (JSON-encoded string)

```
General structure

string   //Additional data for javascript (JSON-encoded string)
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_activity_chooser_footer

Fetch the data for the activity chooser footer.

Arguments

courseid (Required)

ID of the course

```
General structure

int   //ID of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

sectionid (Required)

ID of the section

```
General structure

int   //ID of the section
```

```
XML-RPC (PHP structure)

[sectionid] => int
```

```
REST (POST parameters)

sectionid= int
```

Response

```
General structure

object {
footer int   //Is a footer being return by this request?
customfooterjs string  Optional //The path to the plugin JS file
customfootertemplate string  Optional //The prerendered footer
customcarouseltemplate string  Optional //Either "" or the prerendered carousel page
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [footer] => int
    [customfooterjs] => string
    [customfootertemplate] => string
    [customcarouseltemplate] => string
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="footer">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="customfooterjs">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="customfootertemplate">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="customcarouseltemplate">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_categories

Return category details

Arguments

criteria (Default to "Array ( ) ")

criteria

?

```
General structure

 Default to "Array
(
)
" //criteria
list of (
object {
key string   //The category column to search, expected keys (value format) are:"id" (int) the category id,"ids" (string) category ids separated by commas,"name" (string) the category name,"parent" (int) the parent category id,"idnumber" (string) category idnumber - user must have 'moodle/category:manage' to search on idnumber,"visible" (int) whether the returned categories must be visible or hidden. If the key is not passed,
                                        then the function return all categories that the user can see. - user must have 'moodle/category:manage' or 'moodle/category:viewhiddencategories' to search on visible,"theme" (string) only return the categories having this theme - user must have 'moodle/category:manage' to search on theme
value string   //the value to match
}
)
```

```
XML-RPC (PHP structure)

[criteria] =>
    Array
        (
        [0] =>
            Array
                (
                [key] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

criteria[0][key]= string
criteria[0][value]= string
```

addsubcategories (Default to "1")

return the sub categories infos (1 - default) otherwise only the category info (0)

```
General structure

int  Default to "1" //return the sub categories infos
                                        (1 - default) otherwise only the category info (0)
```

```
XML-RPC (PHP structure)

[addsubcategories] => int
```

```
REST (POST parameters)

addsubcategories= int
```

Response

?

```
General structure

list of (
  //List of categories
object {
id int   //category id
name string   //category name
idnumber string  Optional //category id number
description string   //category description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
parent int   //parent category id
sortorder int   //category sorting order
coursecount int   //number of courses in this category
visible int  Optional //1: available, 0:not available
visibleold int  Optional //1: available, 0:not available
timemodified int  Optional //timestamp
depth int   //category depth
path string   //category path
theme string  Optional //category theme
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [parent] => int
                [sortorder] => int
                [coursecount] => int
                [visible] => int
                [visibleold] => int
                [timemodified] => int
                [depth] => int
                [path] => string
                [theme] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visibleold">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="depth">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_get_contents

Get course contents ?

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

options (Default to "Array ( ) ")

Options, used since Moodle 2.9

```
General structure

 Default to "Array
(
)
" //Options, used since Moodle 2.9
list of (
object {
name string   //The expected keys (value format) are:
                                                excludemodules (bool) Do not return modules, return only the sections structure
                                                excludecontents (bool) Do not return module contents (i.e: files inside a resource)
                                                includestealthmodules (bool) Return stealth modules for students in a special
                                                    section (with id -1)
                                                sectionid (int) Return only this section
                                                sectionnumber (int) Return only this section with number (order)
                                                cmid (int) Return only this module information (among the whole sections structure)
                                                modname (string) Return only modules with this name "label, forum, etc..."
                                                modid (int) Return only the module with this id (to be used with modname
value string   //the value of the option,
                                                                        this param is personaly validated in the external function.
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

?

```
General structure

list of (
object {
id int   //Section ID
name string   //Section name
visible int  Optional //is the section visible
summary string   //Section description
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
section int  Optional //Section number inside the course
hiddenbynumsections int  Optional //Whether is a section hidden in the course format
uservisible int  Optional //Is the section visible for the user?
availabilityinfo string  Optional //Availability information.
modules   //List of module
list of (
object {
id int   //activity id
url string  Optional //activity url
name string   //activity module name
instance int  Optional //instance id
contextid int  Optional //Activity context id.
description string  Optional //activity description
visible int  Optional //is the module visible
uservisible int  Optional //Is the module visible for the user?
availabilityinfo string  Optional //Availability information.
visibleoncoursepage int  Optional //is the module visible on course page
modicon string   //activity icon url
modname string   //activity module type
modplural string   //activity module plural name
availability string  Optional //module availability settings
indent int   //number of identation in the site
onclick string  Optional //Onclick action.
afterlink string  Optional //After link info to be displayed.
activitybadge  Optional //Activity badge to display near the name
object {
badgecontent string  Optional //The content to be displayed in the activity badge
badgestyle string  Optional //The style for the activity badge
badgeurl string  Optional //An optional URL to redirect the user when the activity badge is clicked
badgeelementid string  Optional //An optional id in case the module wants to add some code for the activity badge
badgeextraattributes  Optional //An optional array of extra HTML attributes to add to the badge element
list of (
 Optional //Each of the attribute names and values
object {
name string  Optional //The attribute name
value string  Optional //The attribute value
}
)}
customdata string  Optional //Custom data (JSON encoded).
noviewlink int  Optional //Whether the module has no view page
completion int  Optional //Type of completion tracking:
                                        0 means none, 1 manual, 2 automatic.
completiondata object {
state int   //overall completion state of this course module.
timecompleted int   //course completion timestamp.
overrideby int   //user ID that has overridden the completion state of this activity for the user.
valueused int   //True if module is used in a condition, false otherwise.
hascompletion int   //Whether this activity module has completion enabled.
isautomatic int   //Whether this activity module instance tracks completion automatically.
istrackeduser int   //Checks whether completion is being tracked for this user.
uservisible int   //Whether this activity is visible to user.
details   //An array of completion details containing the description and status.
list of (
object {
rulename string   //rulename
rulevalue object {
status int   //status
description string   //description
}
}
)}
downloadcontent int  Optional //The download content value
dates  Default to "Array
(
)
" //Course dates
list of (
object {
label string   //date label
timestamp int   //date timestamp
relativeto int  Optional //relative date timestamp
dataid string  Optional //cm data id
}
)groupmode int  Optional //Group mode value
contents  Default to "Array
(
```

?

```
)
" //Course contents
list of (
object {
type string   //a file or a folder or external link
filename string   //filename
filepath string   //filepath
filesize int   //filesize
fileurl string  Optional //downloadable file url
content string  Optional //Raw content, will be used when type is content
timecreated int   //Time created
timemodified int   //Time modified
sortorder int   //Content sort order
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
userid int   //User who added this content to moodle
author string   //Content owner
license string   //Content license
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)contentsinfo  Optional //Contents summary information.
object {
filescount int   //Total number of files.
filessize int   //Total files size.
lastmodified int   //Last time files were modified.
mimetypes   //Files mime types.
list of (
string   //File mime type.
)repositorytype string  Optional //The repository type for
                                                the main file.
}
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [visible] => int
            [summary] => string
            [summaryformat] => int
            [section] => int
            [hiddenbynumsections] => int
            [uservisible] => int
            [availabilityinfo] => string
            [modules] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [url] => string
                            [name] => string
                            [instance] => int
                            [contextid] => int
                            [description] => string
                            [visible] => int
                            [uservisible] => int
                            [availabilityinfo] => string
                            [visibleoncoursepage] => int
                            [modicon] => string
                            [modname] => string
                            [modplural] => string
                            [availability] => string
                            [indent] => int
                            [onclick] => string
                            [afterlink] => string
                            [activitybadge] =>
                                Array
                                    (
                                    [badgecontent] => string
                                    [badgestyle] => string
                                    [badgeurl] => string
                                    [badgeelementid] => string
                                    [badgeextraattributes] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [name] => string
                                                    [value] => string
                                                    )
                                            )
                                    )
                            [customdata] => string
                            [noviewlink] => int
                            [completion] => int
                            [completiondata] =>
                                Array
                                    (
                                    [state] => int
                                    [timecompleted] => int
                                    [overrideby] => int
                                    [valueused] => int
                                    [hascompletion] => int
                                    [isautomatic] => int
                                    [istrackeduser] => int
                                    [uservisible] => int
                                    [details] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [rulename] => string
                                                    [rulevalue] =>
                                                        Array
                                                            (
                                                            [status] => int
                                                            [description] => string
                                                            )
```

?

```
                                )
                            )
                        )
                    [downloadcontent] => int
                    [dates] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [label] => string
                                    [timestamp] => int
                                    [relativeto] => int
                                    [dataid] => string
                                    )
                            )
                    [groupmode] => int
                    [contents] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [type] => string
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [content] => string
                                    [timecreated] => int
                                    [timemodified] => int
                                    [sortorder] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    [userid] => int
                                    [author] => string
                                    [license] => string
                                    [tags] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [name] => string
                                                    [rawname] => string
                                                    [isstandard] => int
                                                    [tagcollid] => int
                                                    [taginstanceid] => int
                                                    [taginstancecontextid] => int
                                                    [itemid] => int
                                                    [ordering] => int
                                                    [flag] => int
                                                    )
                                            )
                                    )
                            )
                    [contentsinfo] =>
                        Array
                            (
                            [filescount] => int
                            [filessize] => int
                            [lastmodified] => int
                            [mimetypes] =>
                                Array
                                    (
                                    [0] => string
                                    )
                            [repositorytype] => string
                            )
                    )
                )
            )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="section">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hiddenbynumsections">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="uservisible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="availabilityinfo">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="modules">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="url">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="instance">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="contextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="visible">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="uservisible">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="availabilityinfo">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="visibleoncoursepage">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="modicon">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="modname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="modplural">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="availability">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="indent">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="onclick">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="afterlink">
```


?

```
    <VALUE>string</VALUE>
</KEY>
<KEY name="activitybadge">
    <SINGLE>
        <KEY name="badgecontent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="badgestyle">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="badgeurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="badgeelementid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="badgeextraattributes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="customdata">
    <VALUE>string</VALUE>
</KEY>
<KEY name="noviewlink">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completion">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completiondata">
    <SINGLE>
        <KEY name="state">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="overrideby">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="valueused">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hascompletion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isautomatic">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="istrackeduser">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="uservisible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="details">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="rulename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rulevalue">
                        <SINGLE>
                            <KEY name="status">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
```


?

```
</KEY>
<KEY name="downloadcontent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="dates">
    <MULTIPLE>
        <SINGLE>
            <KEY name="label">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timestamp">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="relativeto">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="dataid">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="groupmode">
    <VALUE>int</VALUE>
</KEY>
<KEY name="contents">
    <MULTIPLE>
        <SINGLE>
            <KEY name="type">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="content">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="author">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="license">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
```


?

```
                                        <KEY name="isstandard">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="tagcollid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="taginstanceid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="taginstancecontextid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="itemid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="ordering">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="flag">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="contentsinfo">
                    <SINGLE>
                        <KEY name="filescount">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="filessize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="lastmodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetypes">
                            <MULTIPLE>
                                <VALUE>string</VALUE>
                            </MULTIPLE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</MULTIPLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_get_course_content_items ?

Fetch all the content items (activities, resources and their subtypes) for the activity picker

Arguments

courseid (Required)

ID of the course

```
General structure

int   //ID of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
content_items list of (
object {
id int   //The id of the content item
name string   //Name of the content item
title string   //The string title of the content item, human readable
link string   //The link to the content item creation page
icon string   //Html containing the icon for the content item
help string   //Html description / help for the content item
archetype string   //The archetype of the module exposing the content item
componentname string   //The name of the component exposing the content item
purpose string   //The purpose of the component exposing the content item
favourite int   //Has the user favourited the content item
legacyitem int   //If this item was pulled from the old callback and has no item id.
recommended int   //Has this item been recommended
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [content_items] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [title] => string
                        [link] => string
                        [icon] => string
                        [help] => string
                        [archetype] => string
                        [componentname] => string
                        [purpose] => string
                        [favourite] => int
                        [legacyitem] => int
                        [recommended] => int
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="content_items">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="link">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="help">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="archetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="componentname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="purpose">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="favourite">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="legacyitem">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="recommended">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_course_module

Return information about a course module

?

Arguments

cmid (Required)

The course module id

```
General structure

int   //The course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

Response

?

```
General structure

object {
cm object {
id int   //The course module id
course int   //The course id
module int   //The module type id
name string   //The activity name
modname string   //The module component name (forum, assign, etc..)
instance int   //The activity instance id
section int   //The module section id
sectionnum int   //The module section number
groupmode int   //Group mode
groupingid int   //Grouping id
completion int   //If completion is enabled
idnumber string  Optional //Module id number
added int  Optional //Time added
score int  Optional //Score
indent int  Optional //Indentation
visible int  Optional //If visible
visibleoncoursepage int  Optional //If visible on course page
visibleold int  Optional //Visible old
completiongradeitemnumber int  Optional //Completion grade item
completionpassgrade int  Optional //Completion pass grade setting
completionview int  Optional //Completion view setting
completionexpected int  Optional //Completion time expected
showdescription int  Optional //If the description is showed
downloadcontent int  Optional //The download content value
availability string  Optional //Availability settings
grade double  Optional //Grade (max value or scale id)
scale string  Optional //Scale items (if used)
gradepass string  Optional //Grade to pass (float)
gradecat int  Optional //Grade category
advancedgrading  Optional //Advanced grading settings
list of (
object {
area string   //Gradable area name
method string   //Grading method
}
)outcomes  Optional //Outcomes information
list of (
object {
id string   //Outcome id
name string   //Outcome full name
scale string   //Scale items
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [cm] =>
        Array
            (
            [id] => int
            [course] => int
            [module] => int
            [name] => string
            [modname] => string
            [instance] => int
            [section] => int
            [sectionnum] => int
            [groupmode] => int
            [groupingid] => int
            [completion] => int
            [idnumber] => string
            [added] => int
            [score] => int
            [indent] => int
            [visible] => int
            [visibleoncoursepage] => int
            [visibleold] => int
            [completiongradeitemnumber] => int
            [completionpassgrade] => int
            [completionview] => int
            [completionexpected] => int
            [showdescription] => int
            [downloadcontent] => int
            [availability] => string
            [grade] => double
            [scale] => string
            [gradepass] => string
            [gradecat] => int
            [advancedgrading] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [area] => string
                            [method] => string
                            )
                    )
            [outcomes] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => string
                            [name] => string
                            [scale] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cm">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="course">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="module">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instance">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="section">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sectionnum">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupmode">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupingid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completion">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="added">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="score">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="indent">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visibleoncoursepage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visibleold">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completiongradeitemnumber">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionpassgrade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionexpected">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showdescription">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="downloadcontent">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="availability">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
```


?

```
                <KEY name="scale">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradepass">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradecat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="advancedgrading">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="area">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="method">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="outcomes">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="scale">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_course_get_course_module_by_instance

Return information about a given module name and instance id

Arguments

module (Required)

The module name

```
General structure

string   //The module name
```

```
XML-RPC (PHP structure)

[module] => string
```

```
REST (POST parameters)

module= string
```

instance (Required)

The module instance id

```
General structure

int   //The module instance id
```

```
XML-RPC (PHP structure)

[instance] => int
```

```
REST (POST parameters)

instance= int
```

Response

?

```
General structure

object {
cm object {
id int   //The course module id
course int   //The course id
module int   //The module type id
name string   //The activity name
modname string   //The module component name (forum, assign, etc..)
instance int   //The activity instance id
section int   //The module section id
sectionnum int   //The module section number
groupmode int   //Group mode
groupingid int   //Grouping id
completion int   //If completion is enabled
idnumber string  Optional //Module id number
added int  Optional //Time added
score int  Optional //Score
indent int  Optional //Indentation
visible int  Optional //If visible
visibleoncoursepage int  Optional //If visible on course page
visibleold int  Optional //Visible old
completiongradeitemnumber int  Optional //Completion grade item
completionpassgrade int  Optional //Completion pass grade setting
completionview int  Optional //Completion view setting
completionexpected int  Optional //Completion time expected
showdescription int  Optional //If the description is showed
downloadcontent int  Optional //The download content value
availability string  Optional //Availability settings
grade double  Optional //Grade (max value or scale id)
scale string  Optional //Scale items (if used)
gradepass string  Optional //Grade to pass (float)
gradecat int  Optional //Grade category
advancedgrading  Optional //Advanced grading settings
list of (
object {
area string   //Gradable area name
method string   //Grading method
}
)outcomes  Optional //Outcomes information
list of (
object {
id string   //Outcome id
name string   //Outcome full name
scale string   //Scale items
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [cm] =>
        Array
            (
            [id] => int
            [course] => int
            [module] => int
            [name] => string
            [modname] => string
            [instance] => int
            [section] => int
            [sectionnum] => int
            [groupmode] => int
            [groupingid] => int
            [completion] => int
            [idnumber] => string
            [added] => int
            [score] => int
            [indent] => int
            [visible] => int
            [visibleoncoursepage] => int
            [visibleold] => int
            [completiongradeitemnumber] => int
            [completionpassgrade] => int
            [completionview] => int
            [completionexpected] => int
            [showdescription] => int
            [downloadcontent] => int
            [availability] => string
            [grade] => double
            [scale] => string
            [gradepass] => string
            [gradecat] => int
            [advancedgrading] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [area] => string
                            [method] => string
                            )
                    )
            [outcomes] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => string
                            [name] => string
                            [scale] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cm">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="course">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="module">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instance">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="section">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sectionnum">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupmode">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupingid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completion">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="added">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="score">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="indent">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visibleoncoursepage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visibleold">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completiongradeitemnumber">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionpassgrade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionexpected">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showdescription">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="downloadcontent">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="availability">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
```


?

```
                <KEY name="scale">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradepass">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradecat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="advancedgrading">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="area">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="method">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="outcomes">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="scale">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_course_get_courses

Return course details

Arguments

options (Default to "Array ( ) ")

options - operator OR is used

```
General structure

 Default to "Array
(
)
" //options - operator OR is used
object {
ids  Optional //List of course id. If empty return all courses
                                          except front page course.
list of (
int   //Course id
)}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [ids] =>
            Array
                (
                [0] => int
                )
        )
```

```
REST (POST parameters)

options[ids][0]= int
```

Response

?

```
General structure

list of (
  //course
object {
id int   //course id
shortname string   //course short name
categoryid int   //category id
categorysortorder int  Optional //sort order into the category
fullname string   //full name
displayname string   //course display name
idnumber string  Optional //id number
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
format string   //course format: weeks, topics, social, site,..
showgrades int  Optional //1 if grades are shown, otherwise 0
newsitems int  Optional //number of recent items appearing on the course page
startdate int   //timestamp when the course start
enddate int   //timestamp when the course end
numsections int  Optional //(deprecated, use courseformatoptions) number of weeks/topics
maxbytes int  Optional //Largest size of file that can be uploaded into the course
showreports int  Optional //are activity report shown (yes = 1, no =0)
visible int  Optional //1: available to student, 0:not available
hiddensections int  Optional //(deprecated, use courseformatoptions) How the hidden sections in the course are displayed to students
groupmode int  Optional //no group, separate, visible
groupmodeforce int  Optional //1: yes, 0: no
defaultgroupingid int  Optional //default grouping id
timecreated int  Optional //timestamp when the course have been created
timemodified int  Optional //timestamp when the course have been modified
enablecompletion int  Optional //Enabled, control via completion and activity settings. Disbaled,
                                       not shown in activity settings.
completionnotify int  Optional //1: yes 0: no
lang string  Optional //forced course language
forcetheme string  Optional //name of the force theme
courseformatoptions  Optional //additional options for particular course format
list of (
object {
name string   //course format option name
value string   //course format option value
}
)showactivitydates int   //Whether the activity dates are shown or not
showcompletionconditions int   //Whether the activity completion conditions are shown or not
customfields  Optional //Custom fields and associated values
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field
type string   //The type of the custom field - text, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [shortname] => string
            [categoryid] => int
            [categorysortorder] => int
            [fullname] => string
            [displayname] => string
            [idnumber] => string
            [summary] => string
            [summaryformat] => int
            [format] => string
            [showgrades] => int
            [newsitems] => int
            [startdate] => int
            [enddate] => int
            [numsections] => int
            [maxbytes] => int
            [showreports] => int
            [visible] => int
            [hiddensections] => int
            [groupmode] => int
            [groupmodeforce] => int
            [defaultgroupingid] => int
            [timecreated] => int
            [timemodified] => int
            [enablecompletion] => int
            [completionnotify] => int
            [lang] => string
            [forcetheme] => string
            [courseformatoptions] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            [showactivitydates] => int
            [showcompletionconditions] => int
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [shortname] => string
                            [type] => string
                            [valueraw] => string
                            [value] => string
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="categoryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="categorysortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="displayname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="format">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="showgrades">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="newsitems">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numsections">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="maxbytes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showreports">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hiddensections">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="groupmode">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="groupmodeforce">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="defaultgroupingid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enablecompletion">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionnotify">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="forcetheme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseformatoptions">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="valueraw">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_courses_by_field

Get courses matching a specific field (id/s, shortname, idnumber, category)

?

Arguments

field (Default to "")

The field to search can be left empty for all courses or: id: course id ids: comma separated course ids shortname: course short name idnumber: course id number category: category id the course belongs to

```
General structure

string  Default to "" //The field to search can be left empty for all courses or:
                      id: course id
                      ids: comma separated course ids
                      shortname: course short name
                      idnumber: course id number
                      category: category id the course belongs to
```

```
XML-RPC (PHP structure)

[field] => string
```

```
REST (POST parameters)

field= string
```

value (Default to "")

The value to match

```
General structure

string  Default to "" //The value to match
```

```
XML-RPC (PHP structure)

[value] => string
```

```
REST (POST parameters)

value= string
```

Response

?

```
General structure

object {
courses   //Course
list of (
object {
id int   //course id
fullname string   //course full name
displayname string   //course display name
shortname string   //course short name
courseimage string  Optional //Course image
categoryid int   //category id
categoryname string   //category name
sortorder int  Optional //Sort order in the category
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
summaryfiles  Optional //summary files in the summary field
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)overviewfiles   //additional overview files attached to this course
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)showactivitydates int   //Whether the activity dates are shown or not
showcompletionconditions int   //Whether the activity completion conditions are shown or not
contacts   //contact users
list of (
object {
id int   //contact user id
fullname string   //contact user fullname
}
)enrollmentmethods   //enrollment methods list
list of (
string   //enrollment method
)customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)idnumber string  Optional //Id number
format string  Optional //Course format: weeks, topics, social, site,..
showgrades int  Optional //1 if grades are shown, otherwise 0
newsitems int  Optional //Number of recent items appearing on the course page
startdate int  Optional //Timestamp when the course start
enddate int  Optional //Timestamp when the course end
maxbytes int  Optional //Largest size of file that can be uploaded into
showreports int  Optional //Are activity report shown (yes = 1, no =0)
visible int  Optional //1: available to student, 0:not available
groupmode int  Optional //no group, separate, visible
groupmodeforce int  Optional //1: yes, 0: no
defaultgroupingid int  Optional //default grouping id
enablecompletion int  Optional //Completion enabled? 1: yes 0: no
completionnotify int  Optional //1: yes 0: no
lang string  Optional //Forced course language
theme string  Optional //Fame of the forced theme
marker int  Optional //Current course marker
legacyfiles int  Optional //If legacy files are enabled
calendartype string  Optional //Calendar type
timecreated int  Optional //Time when the course was created
timemodified int  Optional //Last time  the course was updated
requested int  Optional //If is a requested course
cacherev int  Optional //Cache revision number
```

?

```
filters  Optional //Course filters
list of (
object {
filter string   //Filter plugin name
localstate int   //Filter state: 1 for on, -1 for off, 0 if inherit
inheritedstate int   //1 or 0 to use when localstate is set to inherit
}
)courseformatoptions  Optional //Additional options for particular course format.
list of (
object {
name string   //Course format option name.
value string   //Course format option value.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [displayname] => string
                    [shortname] => string
                    [courseimage] => string
                    [categoryid] => int
                    [categoryname] => string
                    [sortorder] => int
                    [summary] => string
                    [summaryformat] => int
                    [summaryfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [overviewfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [contacts] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    )
                            )
                    [enrollmentmethods] =>
                        Array
                            (
                            [0] => string
                            )
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [shortname] => string
                                    [type] => string
                                    [valueraw] => string
                                    [value] => string
                                    )
                            )
                    [idnumber] => string
                    [format] => string
```

?

```
                    [showgrades] => int
                    [newsitems] => int
                    [startdate] => int
                    [enddate] => int
                    [maxbytes] => int
                    [showreports] => int
                    [visible] => int
                    [groupmode] => int
                    [groupmodeforce] => int
                    [defaultgroupingid] => int
                    [enablecompletion] => int
                    [completionnotify] => int
                    [lang] => string
                    [theme] => string
                    [marker] => int
                    [legacyfiles] => int
                    [calendartype] => string
                    [timecreated] => int
                    [timemodified] => int
                    [requested] => int
                    [cacherev] => int
                    [filters] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filter] => string
                                    [localstate] => int
                                    [inheritedstate] => int
                                    )
                            )
                    [courseformatoptions] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="displayname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="summaryfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="overviewfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
```


?

```
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="showactivitydates">
    <VALUE>int</VALUE>
</KEY>
<KEY name="showcompletionconditions">
    <VALUE>int</VALUE>
</KEY>
<KEY name="contacts">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="enrollmentmethods">
    <MULTIPLE>
        <VALUE>string</VALUE>
    </MULTIPLE>
</KEY>
<KEY name="customfields">
    <MULTIPLE>
        <SINGLE>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="type">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="valueraw">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="value">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="idnumber">
    <VALUE>string</VALUE>
</KEY>
<KEY name="format">
    <VALUE>string</VALUE>
</KEY>
<KEY name="showgrades">
    <VALUE>int</VALUE>
</KEY>
<KEY name="newsitems">
    <VALUE>int</VALUE>
</KEY>
<KEY name="startdate">
    <VALUE>int</VALUE>
</KEY>
<KEY name="enddate">
    <VALUE>int</VALUE>
</KEY>
<KEY name="maxbytes">
    <VALUE>int</VALUE>
</KEY>
<KEY name="showreports">
    <VALUE>int</VALUE>
</KEY>
<KEY name="visible">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groupmode">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="groupmodeforce">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="defaultgroupingid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enablecompletion">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionnotify">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="marker">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="legacyfiles">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="requested">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cacherev">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filters">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filter">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="localstate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="inheritedstate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="courseformatoptions">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_get_enrolled_courses_by_timeline_classification

List of enrolled courses for the given timeline classification (past, inprogress, or future).

Arguments

classification (Required)

future, inprogress, or past

```
General structure

string   //future, inprogress, or past
```

```
XML-RPC (PHP structure)

[classification] => string
```

```
REST (POST parameters)

classification= string
```

limit (Default to "0")

Result set limit

```
General structure

int  Default to "0" //Result set limit
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

?

offset (Default to "0")

Result set offset

```
General structure

int  Default to "0" //Result set offset
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

sort (Default to "null")

Sort string

```
General structure

string  Default to "null" //Sort string
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

customfieldname (Default to "null")

Used when classification = customfield

```
General structure

string  Default to "null" //Used when classification = customfield
```

```
XML-RPC (PHP structure)

[customfieldname] => string
```

```
REST (POST parameters)

customfieldname= string
```

customfieldvalue (Default to "null")

Used when classification = customfield

```
General structure

string  Default to "null" //Used when classification = customfield
```

```
XML-RPC (PHP structure)

[customfieldvalue] => string
```

```
REST (POST parameters)

customfieldvalue= string
```

searchvalue (Default to "null")

The value a user wishes to search against ?

```
General structure

string  Default to "null" //The value a user wishes to search against
```

```
XML-RPC (PHP structure)

[searchvalue] => string
```

```
REST (POST parameters)

searchvalue= string
```

Response

```
General structure

object {
courses   //Course
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)nextoffset int   //Offset for the next request
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [summary] => string
                    [summaryformat] => int
                    [startdate] => int
                    [enddate] => int
                    [visible] => int
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [pdfexportfont] => string
                    [fullnamedisplay] => string
                    [viewurl] => string
                    [courseimage] => string
                    [progress] => int
                    [hasprogress] => int
                    [isfavourite] => int
                    [hidden] => int
                    [timeaccess] => int
                    [showshortname] => int
                    [coursecategory] => string
                    )
            )
    [nextoffset] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="startdate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="enddate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showactivitydates">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showcompletionconditions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pdfexportfont">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullnamedisplay">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="progress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasprogress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isfavourite">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showshortname">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursecategory">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="nextoffset">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_enrolled_courses_with_action_events_by_timeline_classification

List of enrolled courses with action events in a given timeframe, for the given timeline classification.

Arguments

classification (Required)

future, inprogress, or past

```
General structure

string   //future, inprogress, or past
```

```
XML-RPC (PHP structure)

[classification] => string
```

```
REST (POST parameters)

classification= string
```

limit (Default to "0")

Result set limit

```
General structure

int  Default to "0" //Result set limit
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

offset (Default to "0")

Result set offset

?

```
General structure

int  Default to "0" //Result set offset
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

sort (Default to "null")

Sort string

```
General structure

string  Default to "null" //Sort string
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

customfieldname (Default to "null")

Used when classification = customfield

```
General structure

string  Default to "null" //Used when classification = customfield
```

```
XML-RPC (PHP structure)

[customfieldname] => string
```

```
REST (POST parameters)

customfieldname= string
```

customfieldvalue (Default to "null")

Used when classification = customfield

```
General structure

string  Default to "null" //Used when classification = customfield
```

```
XML-RPC (PHP structure)

[customfieldvalue] => string
```

```
REST (POST parameters)

customfieldvalue= string
```

searchvalue (Default to "null")

The value a user wishes to search against

?

```
General structure

string  Default to "null" //The value a user wishes to search against
```

```
XML-RPC (PHP structure)

[searchvalue] => string
```

```
REST (POST parameters)

searchvalue= string
```

eventsfrom (Default to "null")

Optional starting timestamp for action events

```
General structure

int  Default to "null" //Optional starting timestamp for action events
```

```
XML-RPC (PHP structure)

[eventsfrom] => int
```

```
REST (POST parameters)

eventsfrom= int
```

eventsto (Default to "null")

Optional ending timestamp for action events

```
General structure

int  Default to "null" //Optional ending timestamp for action events
```

```
XML-RPC (PHP structure)

[eventsto] => int
```

```
REST (POST parameters)

eventsto= int
```

Response

?

```
General structure

object {
courses   //Course
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)nextoffset int   //Offset for the next request
morecoursesavailable int   //Whether more courses with events exist within the provided parameters
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [courses] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [fullname] => string
                        [shortname] => string
                        [idnumber] => string
                        [summary] => string
                        [summaryformat] => int
                        [startdate] => int
                        [enddate] => int
                        [visible] => int
                        [showactivitydates] => int
                        [showcompletionconditions] => int
                        [pdfexportfont] => string
                        [fullnamedisplay] => string
                        [viewurl] => string
                        [courseimage] => string
                        [progress] => int
                        [hasprogress] => int
                        [isfavourite] => int
                        [hidden] => int
                        [timeaccess] => int
                        [showshortname] => int
                        [coursecategory] => string
                        )
                )
        [nextoffset] => int
        [morecoursesavailable] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="startdate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="enddate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showactivitydates">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showcompletionconditions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pdfexportfont">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullnamedisplay">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="progress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasprogress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isfavourite">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showshortname">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursecategory">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="nextoffset">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="morecoursesavailable">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_enrolled_users_by_cmid

List users by course module id, filter by group and active enrolment status.

Arguments

cmid (Required)

id of the course module

```
General structure

int   //id of the course module
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

groupid (Default to "0")

id of the group

```
General structure

int  Default to "0" //id of the group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

onlyactive (Default to "")

whether to return only active users or all.

?

```
General structure

int  Default to "" //whether to return only active users or all.
```

```
XML-RPC (PHP structure)

[onlyactive] => int
```

```
REST (POST parameters)

onlyactive= int
```

Response

```
General structure

object {
users list of (
object {
id int   //ID of the user
profileimage string  Optional //The location of the users larger image
fullname string  Optional //The full name of the user
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [users] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [profileimage] => string
                        [fullname] => string
                        [firstname] => string
                        [lastname] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="profileimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_module

Returns html with one activity module on course page

Arguments

?

id (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

sectionreturn (Default to "null")

section to return to

```
General structure

int  Default to "null" //section to return to
```

```
XML-RPC (PHP structure)

[sectionreturn] => int
```

```
REST (POST parameters)

sectionreturn= int
```

Response

html to replace the current module with

```
General structure

string   //html to replace the current module with
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_recent_courses

List of courses a user has accessed most recently.

Arguments

userid (Default to "0")

id of the user, default to current user

```
General structure

int  Default to "0" //id of the user, default to current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

limit (Default to "0")

result set limit

```
General structure

int  Default to "0" //result set limit
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

offset (Default to "0")

Result set offset

```
General structure

int  Default to "0" //Result set offset
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

sort (Default to "null")

Sort string

?

```
General structure

string  Default to "null" //Sort string
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

Response

Courses

```
General structure

  //Courses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [shortname] => string
            [idnumber] => string
            [summary] => string
            [summaryformat] => int
            [startdate] => int
            [enddate] => int
            [visible] => int
            [showactivitydates] => int
            [showcompletionconditions] => int
            [pdfexportfont] => string
            [fullnamedisplay] => string
            [viewurl] => string
            [courseimage] => string
            [progress] => int
            [hasprogress] => int
            [isfavourite] => int
            [hidden] => int
            [timeaccess] => int
            [showshortname] => int
            [coursecategory] => string
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_updates_since

Check if there are updates affecting the user for the given course since the given time stamp.

Arguments

courseid (Required)

Course id to check

```
General structure

int   //Course id to check
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

since (Required)

Check updates since this time stamp

```
General structure

int   //Check updates since this time stamp
```

```
XML-RPC (PHP structure)

[since] => int
```

```
REST (POST parameters)

since= int
```

filter (Default to "Array ( ) ")

Check only for updates in these areas

?

```
General structure

 Default to "Array
(
)
" //Check only for updates in these areas
list of (
string   //Area name: configuration, fileareas, completion, ratings, comments,
                                                    gradeitems, outcomes
)
```

```
XML-RPC (PHP structure)

[filter] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

filter[0]= string
```

Response

```
General structure

object {
instances list of (
object {
contextlevel string   //The context level
id int   //Instance id
updates list of (
object {
name string   //Name of the area updated.
timeupdated int  Optional //Last time was updated
itemids  Optional //The ids of the items updated
list of (
int   //Instance id
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [instances] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextlevel] => string
                    [id] => int
                    [updates] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [timeupdated] => int
                                    [itemids] =>
                                        Array
                                            (
                                            [0] => int
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="instances">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="contextlevel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="updates">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timeupdated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="itemids">
                                    <MULTIPLE>
                                        <VALUE>int</VALUE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_get_user_administration_options ?

Return a list of administration options in a set of courses that are avaialable or not for the current user.

Arguments

courseids (Required)

```
General structure

list of (
int   //Course id.
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
courses   //List of courses
list of (
object {
id int   //Course id
options list of (
object {
name string   //Option name
available int   //Whether the option is available or not
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [options] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [available] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="options">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="available">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_get_user_navigation_options

Return a list of navigation options in a set of courses that are avaialable or not for the current user.

Arguments

?

courseids (Required)

```
General structure

list of (
int   //Course id.
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
courses   //List of courses
list of (
object {
id int   //Course id
options list of (
object {
name string   //Option name
available int   //Whether the option is available or not
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [options] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [available] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="options">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="available">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_import_course

Import course data from a course into another course. Does not include any user data.

Arguments

?

importfrom (Required)

the id of the course we are importing from

```
General structure

int   //the id of the course we are importing from
```

```
XML-RPC (PHP structure)

[importfrom] => int
```

```
REST (POST parameters)

importfrom= int
```

importto (Required)

the id of the course we are importing to

```
General structure

int   //the id of the course we are importing to
```

```
XML-RPC (PHP structure)

[importto] => int
```

```
REST (POST parameters)

importto= int
```

deletecontent (Default to "0")

whether to delete the course content where we are importing to (default to 0 = No)

```
General structure

int  Default to "0" //whether to delete the course content where we are importing to (default to 0 = No)
```

```
XML-RPC (PHP structure)

[deletecontent] => int
```

```
REST (POST parameters)

deletecontent= int
```

options (Default to "Array ( ) ")

Course import options

```
General structure

 Default to "Array
(
)
" //Course import options
list of (
object {
name string   //The backup option name:
                                        "activities" (int) Include course activites (default to 1 that is equal to yes),
                                        "blocks" (int) Include course blocks (default to 1 that is equal to yes),
                                        "filters" (int) Include course filters  (default to 1 that is equal to yes)
value string   //the value for the option 1 (yes) or 0 (no)
}
)
```

?

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_remove_content_item_from_user_favourites

Removes a content item (activity, resource or their subtypes) from the favourites for the user.

Arguments

componentname (Required)

frankenstyle name of the component to which the content item belongs

```
General structure

string   //frankenstyle name of the component to which the content item belongs
```

```
XML-RPC (PHP structure)

[componentname] => string
```

```
REST (POST parameters)

componentname= string
```

contentitemid (Required)

id of the content item

?

General structure

```
int   //id of the content item
```

XML-RPC (PHP structure)

```
[contentitemid] => int
```

REST (POST parameters)

```
contentitemid= int
```

Response

General structure

```
object {
id int   //The id of the content item
name string   //Name of the content item
title string   //The string title of the content item, human readable
link string   //The link to the content item creation page
icon string   //Html containing the icon for the content item
help string   //Html description / help for the content item
archetype string   //The archetype of the module exposing the content item
componentname string   //The name of the component exposing the content item
purpose string   //The purpose of the component exposing the content item
favourite int   //Has the user favourited the content item
legacyitem int   //If this item was pulled from the old callback and has no item id.
recommended int   //Has this item been recommended
}
```

XML-RPC (PHP structure)

```
    Array
        (
        [id] => int
        [name] => string
        [title] => string
        [link] => string
        [icon] => string
        [help] => string
        [archetype] => string
        [componentname] => string
        [purpose] => string
        [favourite] => int
        [legacyitem] => int
        [recommended] => int
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="title">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="link">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="icon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="help">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="archetype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="componentname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="purpose">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="favourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="legacyitem">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="recommended">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_search_courses

Search courses by (name, module, block, tag)

Arguments

criterianame (Required)

criteria name (search, modulelist (only admins), blocklist (only admins), tagid) ?

```
General structure

string   //criteria name
                                                    (search, modulelist (only admins), blocklist (only admins), tagid)
```

```
XML-RPC (PHP structure)

[criterianame] => string
```

```
REST (POST parameters)

criterianame= string
```

criteriavalue (Required)

criteria value

```
General structure

string   //criteria value
```

```
XML-RPC (PHP structure)

[criteriavalue] => string
```

```
REST (POST parameters)

criteriavalue= string
```

page (Default to "0")

page number (0 based)

```
General structure

int  Default to "0" //page number (0 based)
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

items per page

```
General structure

int  Default to "0" //items per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

requiredcapabilities (Default to "Array ( ) ")

Optional list of required capabilities (used to filter the list)

?

```
General structure

 Default to "Array
(
)
" //Optional list of required capabilities (used to filter the list)
list of (
string   //Capability string used to filter courses by permission
)
```

```
XML-RPC (PHP structure)

[requiredcapabilities] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

requiredcapabilities[0]= string
```

limittoenrolled (Default to "0")

limit to enrolled courses

```
General structure

int  Default to "0" //limit to enrolled courses
```

```
XML-RPC (PHP structure)

[limittoenrolled] => int
```

```
REST (POST parameters)

limittoenrolled= int
```

onlywithcompletion (Default to "0")

limit to courses where completion is enabled

```
General structure

int  Default to "0" //limit to courses where completion is enabled
```

```
XML-RPC (PHP structure)

[onlywithcompletion] => int
```

```
REST (POST parameters)

onlywithcompletion= int
```

Response

?

```
General structure

object {
total int   //total course count
courses   //course
list of (
object {
id int   //course id
fullname string   //course full name
displayname string   //course display name
shortname string   //course short name
courseimage string  Optional //Course image
categoryid int   //category id
categoryname string   //category name
sortorder int  Optional //Sort order in the category
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
summaryfiles  Optional //summary files in the summary field
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)overviewfiles   //additional overview files attached to this course
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)showactivitydates int   //Whether the activity dates are shown or not
showcompletionconditions int   //Whether the activity completion conditions are shown or not
contacts   //contact users
list of (
object {
id int   //contact user id
fullname string   //contact user fullname
}
)enrollmentmethods   //enrollment methods list
list of (
string   //enrollment method
)customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [total] => int
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [displayname] => string
                    [shortname] => string
                    [courseimage] => string
                    [categoryid] => int
                    [categoryname] => string
                    [sortorder] => int
                    [summary] => string
                    [summaryformat] => int
                    [summaryfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [overviewfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [contacts] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    )
                            )
                    [enrollmentmethods] =>
                        Array
                            (
                            [0] => string
                            )
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [shortname] => string
                                    [type] => string
                                    [valueraw] => string
                                    [value] => string
                                    )
                            )
                    )
```

?

```
            )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="total">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="displayname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="summaryfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="overviewfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="showactivitydates">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showcompletionconditions">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contacts">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="enrollmentmethods">
                    <MULTIPLE>
                        <VALUE>string</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="customfields">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="valueraw">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_set_favourite_courses

Add a list of courses to the list of favourite courses.

Arguments

courses (Required)

```
General structure

list of (
object {
id int   //course ID
favourite int   //favourite status
}
)
```

```
XML-RPC (PHP structure)

[courses] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [favourite] => int
                )
        )
```

```
REST (POST parameters)

courses[0][id]= int
courses[0][favourite]= int
```

Response

?

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_course_toggle_activity_recommendation

Adds or removes an activity as a recommendation in the activity chooser.

Arguments

area (Required)

The favourite area (itemtype)

```
General structure

string   //The favourite area (itemtype)
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

id (Required)

id of the activity or whatever

```
General structure

int   //id of the activity or whatever
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
id int   //id of the activity or whatever
area string   //The favourite area (itemtype)
status int   //If created or deleted
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        [area] => string
        [status] => int
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="area">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_course_update_categories

Update categories

Arguments

categories (Required)

```
General structure

list of (
object {
id int   //course id
name string  Optional //category name
idnumber string  Optional //category id number
parent int  Optional //parent category id
description string  Optional //category description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
theme string  Optional //the category theme. This option must be enabled on moodle
}
)
```

?

```
XML-RPC (PHP structure)

[categories] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [idnumber] => string
                [parent] => int
                [description] => string
                [descriptionformat] => int
                [theme] => string
                )
        )
```

```
REST (POST parameters)

categories[0][id]= int
categories[0][name]= string
categories[0][idnumber]= string
categories[0][parent]= int
categories[0][description]= string
categories[0][descriptionformat]= int
categories[0][theme]= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_update_courses

Update courses

Arguments

courses (Required)

courses to update

?

```
General structure

  //courses to update
list of (
object {
id int   //ID of the course
fullname string  Optional //full name
shortname string  Optional //course short name
categoryid int  Optional //category id
idnumber string  Optional //id number
summary string  Optional //summary
summaryformat int  Optional //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
format string  Optional //course format: weeks, topics, social, site,..
showgrades int  Optional //1 if grades are shown, otherwise 0
newsitems int  Optional //number of recent items appearing on the course page
startdate int  Optional //timestamp when the course start
enddate int  Optional //timestamp when the course end
numsections int  Optional //(deprecated, use courseformatoptions) number of weeks/topics
maxbytes int  Optional //Largest size of file that can be uploaded into the course
showreports int  Optional //are activity report shown (yes = 1, no =0)
visible int  Optional //1: available to student, 0:not available
hiddensections int  Optional //(deprecated, use courseformatoptions) How the hidden sections in the course are
                                    displayed to students
groupmode int  Optional //no group, separate, visible
groupmodeforce int  Optional //1: yes, 0: no
defaultgroupingid int  Optional //default grouping id
enablecompletion int  Optional //Enabled, control via completion and activity settings. Disabled,
                                    not shown in activity settings.
completionnotify int  Optional //1: yes 0: no
lang string  Optional //forced course language
forcetheme string  Optional //name of the force theme
courseformatoptions  Optional //additional options for particular course format
list of (
object {
name string   //course format option name
value string   //course format option value
}
)customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

?

XML-RPC (PHP structure)

```
[courses] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [fullname] => string
                [shortname] => string
                [categoryid] => int
                [idnumber] => string
                [summary] => string
                [summaryformat] => int
                [format] => string
                [showgrades] => int
                [newsitems] => int
                [startdate] => int
                [enddate] => int
                [numsections] => int
                [maxbytes] => int
                [showreports] => int
                [visible] => int
                [hiddensections] => int
                [groupmode] => int
                [groupmodeforce] => int
                [defaultgroupingid] => int
                [enablecompletion] => int
                [completionnotify] => int
                [lang] => string
                [forcetheme] => string
                [courseformatoptions] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [value] => string
                                )
                        )
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

courses[0][id]= int
courses[0][fullname]= string
courses[0][shortname]= string
courses[0][categoryid]= int
courses[0][idnumber]= string
courses[0][summary]= string
courses[0][summaryformat]= int
courses[0][format]= string
courses[0][showgrades]= int
courses[0][newsitems]= int
courses[0][startdate]= int
courses[0][enddate]= int
courses[0][numsections]= int
courses[0][maxbytes]= int
courses[0][showreports]= int
courses[0][visible]= int
courses[0][hiddensections]= int
courses[0][groupmode]= int
courses[0][groupmodeforce]= int
courses[0][defaultgroupingid]= int
courses[0][enablecompletion]= int
courses[0][completionnotify]= int
courses[0][lang]= string
courses[0][forcetheme]= string
courses[0][courseformatoptions][0][name]= string
courses[0][courseformatoptions][0][value]= string
courses[0][customfields][0][shortname]= string
courses[0][customfields][0][value]= string
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_course_view_course

Log that the course was viewed

Arguments

courseid (Required)

id of the course

```
General structure

int   //id of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

?

sectionnumber (Default to "0")

section number

```
General structure

int  Default to "0" //section number
```

```
XML-RPC (PHP structure)

[sectionnumber] => int
```

```
REST (POST parameters)

sectionnumber= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_courseformat_file_handlers

Get the current course file hanlders.

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

?

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

list of (
object {
extension string   //File extension
module string   //Target module
message string   //Output message
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [extension] => string
                [module] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="extension">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="module">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_courseformat_get_state ?

Get the current course state.

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

Encoded course state JSON

```
General structure

string   //Encoded course state JSON
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_courseformat_update_course

Update course contents. ?

Arguments

action (Required)

action: cm_hide, cm_show, section_hide, section_show, cm_moveleft...

```
General structure

string   //action: cm_hide, cm_show, section_hide, section_show, cm_moveleft...
```

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

ids (Default to "Array ( ) ")

Affected ids

```
General structure

 Default to "Array
(
)
" //Affected ids
list of (
int   //Target id
)
```

```
XML-RPC (PHP structure)

[ids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

ids[0]= int
```

targetsectionid (Default to "null")

Optional target section id

```
General structure

int  Default to "null" //Optional target section id
```

?

```
XML-RPC (PHP structure)

[targetsectionid] => int
```

```
REST (POST parameters)

targetsectionid= int
```

targetcmid (Default to "null")

Optional target cm id

```
General structure

int  Default to "null" //Optional target cm id
```

```
XML-RPC (PHP structure)

[targetcmid] => int
```

```
REST (POST parameters)

targetcmid= int
```

Response

Encoded course update JSON

```
General structure

string   //Encoded course update JSON
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_create_userfeedback_action_record

Record the action that the user takes in the user feedback notification for future use.

Arguments

action (Required)

The action taken by user

```
General structure

string   //The action taken by user
```

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

contextid (Required)

The context id of the page the user is in

```
General structure

int   //The context id of the page the user is in
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_customfield_create_category

Creates a new category

?

Arguments

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

area (Required)

area

```
General structure

string   //area
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

itemid (Required)

itemid

```
General structure

int   //itemid
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

Response

Id of the category

```
General structure

int   //Id of the category
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_customfield_delete_category

Deletes a category

Arguments

id (Required)

category ID to delete

```
General structure

int   //category ID to delete
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_customfield_delete_field

Deletes an entry

Arguments
id (Required)

Custom field ID to delete

```
General structure

int   //Custom field ID to delete
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_customfield_move_category

Drag and drop categories

Arguments
id (Required)

Category ID to move

?

```
General structure

int   //Category ID to move
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

beforeid (Default to "0")

Id of the category before which it needs to be moved

```
General structure

int  Default to "0" //Id of the category before which it needs to be moved
```

```
XML-RPC (PHP structure)

[beforeid] => int
```

```
REST (POST parameters)

beforeid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_customfield_move_field

Drag and drop

Arguments

id (Required)

Id of the field to move

```
General structure

int   //Id of the field to move
```

?

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

categoryid (Required)

New parent category id

```
General structure

int   //New parent category id
```

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

beforeid (Default to "0")

Id of the field before which it needs to be moved

```
General structure

int  Default to "0" //Id of the field before which it needs to be moved
```

```
XML-RPC (PHP structure)

[beforeid] => int
```

```
REST (POST parameters)

beforeid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_customfield_reload_template ?

Reloads template

Arguments

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

area (Required)

area

```
General structure

string   //area
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

itemid (Required)

itemid

```
General structure

int   //itemid
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

Response

?

General structure

```
object {
component string   //component
area string   //area
itemid int   //itemid
usescategories int   //view has categories
categories list of (
object {
id int   //id
nameeditable string   //inplace editable name
addfieldmenu string   //addfieldmenu
fields list of (
object {
name string   //name
shortname string   //shortname
type string   //type
id int   //id
}
)}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [component] => string
    [area] => string
    [itemid] => int
    [usescategories] => int
    [categories] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [nameeditable] => string
                    [addfieldmenu] => string
                    [fields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [shortname] => string
                                    [type] => string
                                    [id] => int
                                    )
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="area">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usescategories">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="categories">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nameeditable">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="addfieldmenu">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="shortname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_dynamic_tabs_get_content

?

Returns the content for a dynamic tab

Arguments

tab (Required)

Tab class

```
General structure

string   //Tab class
```

```
XML-RPC (PHP structure)

[tab] => string
```

```
REST (POST parameters)

tab= string
```

jsondata (Required)

Json-encoded data

```
General structure

string   //Json-encoded data
```

```
XML-RPC (PHP structure)

[jsondata] => string
```

```
REST (POST parameters)

jsondata= string
```

Response

```
General structure

object {
template string   //Template name
content string   //JSON-encoded data for template
javascript string   //JavaScript fragment
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [template] => string
        [content] => string
        [javascript] => string
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_enrol_get_course_enrolment_methods

Get the list of course enrolment methods

Arguments

courseid (Required)

Course id

General structure

```
int   //Course id
```

XML-RPC (PHP structure)

```
[courseid] => int
```

REST (POST parameters)

```
courseid= int
```

Response

?

General structure

```
list of (
object {
id int   //id of course enrolment instance
courseid int   //id of course
type string   //type of enrolment plugin
name string   //name of enrolment plugin
status string   //status of enrolment plugin
wsfunction string  Optional //webservice function to get more information
}
)
```

XML-RPC (PHP structure)

```
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [type] => string
                [name] => string
                [status] => string
                [wsfunction] => string
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="type">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="wsfunction">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_enrol_get_enrolled_users

Get enrolled users by course id.

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

options (Default to "Array ( ) ")

Option names: * withcapability (string) return only users with this capability. This option requires 'moodle/role:review' on the course context. * groupid (integer) return only users in this group id. If the course has groups enabled and this param isn't defined, returns all the viewable users. This option requires 'moodle/site:accessallgroups' on the course context if the user doesn't belong to the group. * onlyactive (integer) return only users with active enrolments and matching time restrictions. This option requires 'moodle/course:enrolreview' on the course context. Please note that this option can't be used together with onlysuspended (only one can be active). * onlysuspended (integer) return only suspended users. This option requires 'moodle/course:enrolreview' on the course context. Please note that this option can't be used together with onlyactive (only one can be active). * userfields ('string, string, ...') return only the values of these user fields. * limitfrom (integer) sql limit from. * limitnumber (integer) maximum number of returned users. * sortby (string) sort by id, firstname or lastname. For ordering like the site does, use siteorder. * sortdirection (string) ASC or DESC

```
General structure

 Default to "Array
(
)
" //Option names:
                            * withcapability (string) return only users with this capability. This option requires 'moodle/role:review' on the course context.
                            * groupid (integer) return only users in this group id. If the course has groups enabled and this param
                                                isn't defined, returns all the viewable users.
                                                This option requires 'moodle/site:accessallgroups' on the course context if the
                                                user doesn't belong to the group.
                            * onlyactive (integer) return only users with active enrolments and matching time restrictions.
                                                This option requires 'moodle/course:enrolreview' on the course context.
                                                Please note that this option can't
                                                be used together with onlysuspended (only one can be active).
                            * onlysuspended (integer) return only suspended users. This option requires
                                            'moodle/course:enrolreview' on the course context. Please note that this option can't
                                                be used together with onlyactive (only one can be active).
                            * userfields ('string, string, ...') return only the values of these user fields.
                            * limitfrom (integer) sql limit from.
                            * limitnumber (integer) maximum number of returned users.
                            * sortby (string) sort by id, firstname or lastname. For ordering like the site does, use siteorder.
                            * sortdirection (string) ASC or DESC
list of (
object {
name string   //option name
value string   //option value
}
)
```

?

XML-RPC (PHP structure)

```
[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

REST (POST parameters)

```
options[0][name]= string
options[0][value]= string
```

Response

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //Username policy is defined in Moodle security config
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
lastcourseaccess int  Optional //last access to the course (0 if never)
description string  Optional //User profile description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string  Optional //User image profile URL - small version
profileimageurl string  Optional //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profil fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)groups  Optional //user groups
list of (
object {
id int   //group id
name string   //group name
description string   //group description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)roles  Optional //user roles
list of (
object {
roleid int   //role id
name string   //role name
shortname string   //role shortname
sortorder int   //role sortorder
}
)preferences  Optional //User preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the custom field
}
)enrolledcourses  Optional //Courses where the user is enrolled - Limited by which courses the user is able to see
list of (
object {
id int   //Id of the course
fullname string   //Fullname of the course
shortname string   //Shortname of the course
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [lastcourseaccess] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [groups] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [description] => string
                            [descriptionformat] => int
                            )
                    )
            [roles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [roleid] => int
                            [name] => string
                            [shortname] => string
                            [sortorder] => int
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            [enrolledcourses] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
```

?

```
                    )
                )
            )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastcourseaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="roles">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="roleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="preferences">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="enrolledcourses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
  </MULTIPLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_enrol_get_enrolled_users_with_capability

For each course and capability specified, return a list of the users that are enrolled in the course and have that capability

Arguments

coursecapabilities (Required)

course id and associated capability name

```
General structure

  //course id and associated capability name
list of (
object {
courseid int   //Course ID number in the Moodle course table
capabilities list of (
string   //Capability name, such as mod/forum:viewdiscussion
)}
)
```

```
XML-RPC (PHP structure)

[coursecapabilities] =>
    Array
        (
        [0] =>
            Array
                (
                [courseid] => int
                [capabilities] =>
                    Array
                        (
                        [0] => string
                        )
                )
        )
```

```
REST (POST parameters)

coursecapabilities[0][courseid]= int
coursecapabilities[0][capabilities][0]= string
```

options (Default to "Array ( ) ")

Option names: * groupid (integer) return only users in this group id. Requires 'moodle/site:accessallgroups' . * onlyactive (integer) only users with active enrolments. Requires 'moodle/course:enrolreview' . * userfields ('string, string, ...') return only the values of these user fields. * limitfrom (integer) sql limit from. * limitnumber (integer) max number of users per course and capability.

?

```
General structure

 Default to "Array
(
)
" //Option names:
                            * groupid (integer) return only users in this group id. Requires 'moodle/site:accessallgroups' .
                            * onlyactive (integer) only users with active enrolments. Requires 'moodle/course:enrolreview' .
                            * userfields ('string, string, ...') return only the values of these user fields.
                            * limitfrom (integer) sql limit from.
                            * limitnumber (integer) max number of users per course and capability.
list of (
object {
name string   //option name
value string   //option value
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

?

```
General structure

list of (
object {
courseid int   //Course ID number in the Moodle course table
capability string   //Capability name
users   //List of users that are enrolled in the course and have the specified capability
list of (
object {
id int   //ID of the user
username string  Optional //Username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //Email address
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
lastcourseaccess int  Optional //last access to the course (0 if never)
description string  Optional //User profile description
descriptionformat int  Optional //User profile description format
city string  Optional //Home city of the user
country string  Optional //Country code of the user, such as AU or CZ
profileimageurlsmall string  Optional //User image profile URL - small
profileimageurl string  Optional //User image profile URL - big
customfields  Optional //User custom fields (also known as user profil fields)
list of (
object {
type string   //The type of the custom field
value string   //The value of the custom field
name string   //The name of the custom field
shortname string   //The shortname of the custom field
}
)groups  Optional //user groups
list of (
object {
id int   //group id
name string   //group name
description string   //group description
}
)roles  Optional //user roles
list of (
object {
roleid int   //role id
name string   //role name
shortname string   //role shortname
sortorder int   //role sortorder
}
)preferences  Optional //User preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the custom field
}
)enrolledcourses  Optional //Courses where the user is enrolled - limited by which courses the user is able to see
list of (
object {
id int   //Id of the course
fullname string   //Fullname of the course
shortname string   //Shortname of the course
}
)}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [courseid] => int
            [capability] => string
            [users] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [username] => string
                            [firstname] => string
                            [lastname] => string
                            [fullname] => string
                            [email] => string
                            [address] => string
                            [phone1] => string
                            [phone2] => string
                            [department] => string
                            [institution] => string
                            [interests] => string
                            [firstaccess] => int
                            [lastaccess] => int
                            [lastcourseaccess] => int
                            [description] => string
                            [descriptionformat] => int
                            [city] => string
                            [country] => string
                            [profileimageurlsmall] => string
                            [profileimageurl] => string
                            [customfields] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [type] => string
                                            [value] => string
                                            [name] => string
                                            [shortname] => string
                                            )
                                    )
                            [groups] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [name] => string
                                            [description] => string
                                            )
                                    )
                            [roles] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [roleid] => int
                                            [name] => string
                                            [shortname] => string
                                            [sortorder] => int
                                            )
                                    )
                            [preferences] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [name] => string
                                            [value] => string
                                            )
                                    )
                            [enrolledcourses] =>
                                Array
                                    (
```

?

```
                                [0] =>
                                    Array
                                        (
                                        [id] => int
                                        [fullname] => string
                                        [shortname] => string
                                        )
                                )
                            )
                        )
                    )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="capability">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="users">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="username">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="firstname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="lastname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="fullname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="email">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="address">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone1">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone2">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="department">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="institution">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="interests">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="firstaccess">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="lastaccess">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="lastcourseaccess">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="descriptionformat">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="city">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="country">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileimageurlsmall">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileimageurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="customfields">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="type">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="value">
```


?

```
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="groups">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="roles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="roleid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="sortorder">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="preferences">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="enrolledcourses">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
</SINGLE>
</MULTIPLE>
</RESPONSE>
```


Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_enrol_get_potential_users

Get the list of potential users to enrol

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

enrolid (Required)

enrolment id

```
General structure

int   //enrolment id
```

```
XML-RPC (PHP structure)

[enrolid] => int
```

```
REST (POST parameters)

enrolid= int
```

search (Required)

query

```
General structure

string   //query
```

```
XML-RPC (PHP structure)

[search] => string
```

?

```
REST (POST parameters)

search= string
```

searchanywhere (Required)

find a match anywhere, or only at the beginning

```
General structure

int   //find a match anywhere, or only at the beginning
```

```
XML-RPC (PHP structure)

[searchanywhere] => int
```

```
REST (POST parameters)

searchanywhere= int
```

page (Required)

Page number

```
General structure

int   //Page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Required)

Number per page

```
General structure

int   //Number per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [suspended] => int
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="auth">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="confirmed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timezone">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mailformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="displayvalue">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="preferences">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_enrol_get_users_courses

Get the list of courses where a user is enrolled in

Arguments

userid (Required) ?

user id

```
General structure

int   //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

returnusercount (Default to "1")

Include count of enrolled users for each course? This can add several seconds to the response time if a user is on several large courses, so set this to false if the value will not be used to improve performance.

```
General structure

int  Default to "1" //Include count of enrolled users for each course? This can add several seconds to the response time if a user is on several large courses, so set this
to false if the value will not be used to improve performance.
```

```
XML-RPC (PHP structure)

[returnusercount] => int
```

```
REST (POST parameters)

returnusercount= int
```

Response

?

```
General structure

list of (
object {
id int   //id of course
shortname string   //short name of course
fullname string   //long name of course
displayname string  Optional //course display name for lists.
enrolledusercount int  Optional //Number of enrolled users in this course
idnumber string   //id number of course
visible int   //1 means visible, 0 means not yet visible course
summary string  Optional //summary
summaryformat int  Optional //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
format string  Optional //course format: weeks, topics, social, site
courseimage string  Optional //The course image URL
showgrades int  Optional //true if grades are shown, otherwise false
lang string  Optional //forced course language
enablecompletion int  Optional //true if completion is enabled, otherwise false
completionhascriteria int  Optional //If completion criteria is set.
completionusertracked int  Optional //If the user is completion tracked.
category int  Optional //course category id
progress double  Optional //Progress percentage
completed int  Optional //Whether the course is completed.
startdate int  Optional //Timestamp when the course start
enddate int  Optional //Timestamp when the course end
marker int  Optional //Course section marker.
lastaccess int  Optional //Last access to the course (timestamp).
isfavourite int  Optional //If the user marked this course a favourite.
hidden int  Optional //If the user hide the course from the dashboard.
overviewfiles  Optional //Overview files attached to this course.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)showactivitydates int   //Whether the activity dates are shown or not
showcompletionconditions int   //Whether the activity completion conditions are shown or not
timemodified int  Optional //Last time course settings were updated (timestamp).
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [shortname] => string
            [fullname] => string
            [displayname] => string
            [enrolledusercount] => int
            [idnumber] => string
            [visible] => int
            [summary] => string
            [summaryformat] => int
            [format] => string
            [courseimage] => string
            [showgrades] => int
            [lang] => string
            [enablecompletion] => int
            [completionhascriteria] => int
            [completionusertracked] => int
            [category] => int
            [progress] => double
            [completed] => int
            [startdate] => int
            [enddate] => int
            [marker] => int
            [lastaccess] => int
            [isfavourite] => int
            [hidden] => int
            [overviewfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [showactivitydates] => int
            [showcompletionconditions] => int
            [timemodified] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="displayname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="enrolledusercount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="format">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="showgrades">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="enablecompletion">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionhascriteria">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionusertracked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="category">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>double</VALUE>
            </KEY>
            <KEY name="completed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="marker">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="overviewfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="showactivitydates">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showcompletionconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
  </MULTIPLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_enrol_search_users

Search within the list of course participants

Arguments

courseid (Required)

course id

```
General structure

int   //course id
```

?

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

search (Required)

query

```
General structure

string   //query
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

searchanywhere (Required)

find a match anywhere, or only at the beginning

```
General structure

int   //find a match anywhere, or only at the beginning
```

```
XML-RPC (PHP structure)

[searchanywhere] => int
```

```
REST (POST parameters)

searchanywhere= int
```

page (Required)

Page number

```
General structure

int   //Page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Required)

Number per page

```
General structure

int   //Number per page
```

?

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [suspended] => int
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="auth">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="confirmed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timezone">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mailformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="displayvalue">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="preferences">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_enrol_submit_user_enrolment_form

Submit form data for enrolment form

Arguments

formdata (Required) ?

The data from the event form

```
General structure

string   //The data from the event form
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
result int   //True if the user's enrolment was successfully updated
validationerror int  Default to "" //Indicates invalid form data
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [validationerror] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="validationerror">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_enrol_unenrol_user_enrolment

?

External function that unenrols a given user enrolment

Arguments

ueid (Required)

User enrolment ID

```
General structure

int   //User enrolment ID
```

```
XML-RPC (PHP structure)

[ueid] => int
```

```
REST (POST parameters)

ueid= int
```

Response

```
General structure

object {
result int   //True if the user's enrolment was successfully updated
errors   //List of validation errors
list of (
object {
key string   //The data that failed the validation
message string   //The error message
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [errors] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [key] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="errors">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="key">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_fetch_notifications

Return a list of notifications for the current session

Arguments

contextid (Required)

Context ID

```
General structure

int   //Context ID
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

?

Response

General structure

```
list of (
object {
template string   //Name of the template
variables object {
message string   //HTML content of the Notification
extraclasses string   //Extra classes to provide to the tmeplate
announce string   //Whether to announce
closebutton string   //Whether to close
}
}
)
```

XML-RPC (PHP structure)

```
    Array
        (
        [0] =>
            Array
                (
                [template] => string
                [variables] =>
                    Array
                        (
                        [message] => string
                        [extraclasses] => string
                        [announce] => string
                        [closebutton] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="template">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="variables">
                <SINGLE>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="extraclasses">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="announce">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="closebutton">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

No

Callable from AJAX

Yes

core_files_delete_draft_files

Delete the indicated files (or directories) from a user draft file area.

Arguments

draftitemid (Required)

Item id of the draft file area

```
General structure

int   //Item id of the draft file area
```

```
XML-RPC (PHP structure)

[draftitemid] => int
```

```
REST (POST parameters)

draftitemid= int
```

files (Required)

Files or directories to be deleted.

```
General structure

  //Files or directories to be deleted.
list of (
object {
filepath string   //Path to the file or directory to delete.
filename string   //Name of the file to delete.
}
)
```

```
XML-RPC (PHP structure)

[files] =>
    Array
        (
        [0] =>
            Array
                (
                [filepath] => string
                [filename] => string
                )
        )
```

```
REST (POST parameters)

files[0][filepath]= string
files[0][filename]= string
```

Response

?

General structure

```
object {
parentpaths list of (
string   //Path to parent directory of the deleted files.
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [parentpaths] =>
            Array
                (
                [0] => string
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="parentpaths">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_files_get_files

browse moodle files

Arguments

contextid (Required)

context id Set to -1 to use contextlevel and instanceid.

```
General structure

int   //context id Set to -1 to use contextlevel and instanceid.
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

filearea (Required)

file area

```
General structure

string   //file area
```

```
XML-RPC (PHP structure)

[filearea] => string
```

?

```
REST (POST parameters)

filearea= string
```

itemid (Required)

associated id

```
General structure

int   //associated id
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

filepath (Required)

file path

```
General structure

string   //file path
```

```
XML-RPC (PHP structure)

[filepath] => string
```

```
REST (POST parameters)

filepath= string
```

filename (Required)

file name

```
General structure

string   //file name
```

```
XML-RPC (PHP structure)

[filename] => string
```

```
REST (POST parameters)

filename= string
```

modified (Default to "null")

timestamp to return files changed after this time.

```
General structure

int  Default to "null" //timestamp to return files changed after this time.
```

```
XML-RPC (PHP structure)

[modified] => int
```

?

```
REST (POST parameters)

modified= int
```

contextlevel (Default to "null")

The context level for the file location.

```
General structure

string  Default to "null" //The context level for the file location.
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Default to "null")

The instance id for where the file is located.

```
General structure

int  Default to "null" //The instance id for where the file is located.
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

Response

```
General structure

object {
parents list of (
object {
contextid int component string filearea string itemid int filepath string filename string }
)files list of (
object {
contextid int component string filearea string itemid int filepath string filename string isdir int url string timemodified int timecreated int  Optional //Time created
filesize int  Optional //File size
author string  Optional //File owner
license string  Optional //File license
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [parents] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    )
            )
    [files] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [url] => string
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="parents">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filearea">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="files">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filearea">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isdir">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="author">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="license">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_files_get_unused_draft_itemid

Generate a new draft itemid for the current user.

Arguments

Response

```
General structure

object {
component string   //File area component.
contextid int   //File area context.
userid int   //File area user id.
filearea string   //File area name.
itemid int   //File are item id.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [component] => string
        [contextid] => int
        [userid] => int
        [filearea] => string
        [itemid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filearea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_files_upload

upload a file to moodle

Arguments

contextid (Default to "null")

context id

?

```
General structure

int  Default to "null" //context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

filearea (Required)

file area

```
General structure

string   //file area
```

```
XML-RPC (PHP structure)

[filearea] => string
```

```
REST (POST parameters)

filearea= string
```

itemid (Required)

associated id

```
General structure

int   //associated id
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

filepath (Required)

file path

?

```
General structure

string   //file path
```

```
XML-RPC (PHP structure)

[filepath] => string
```

```
REST (POST parameters)

filepath= string
```

filename (Required)

file name

```
General structure

string   //file name
```

```
XML-RPC (PHP structure)

[filename] => string
```

```
REST (POST parameters)

filename= string
```

filecontent (Required)

file content

```
General structure

string   //file content
```

```
XML-RPC (PHP structure)

[filecontent] => string
```

```
REST (POST parameters)

filecontent= string
```

contextlevel (Default to "null")

The context level to put the file in, (block, course, coursecat, system, user, module)

```
General structure

string  Default to "null" //The context level to put the file in,
                        (block, course, coursecat, system, user, module)
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Default to "null")

The Instance id of item associated with the context level

?

```
General structure

int  Default to "null" //The Instance id of item associated
                          with the context level
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

Response

```
General structure

object {
contextid int component string filearea string itemid int filepath string filename string url string }
```

```
XML-RPC (PHP structure)


    Array
        (
        [contextid] => int
        [component] => string
        [filearea] => string
        [itemid] => int
        [filepath] => string
        [filename] => string
        [url] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="filearea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filepath">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="filename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_filters_get_available_in_context

Returns the filters available in the given contexts.

Arguments

contexts (Required)

The list of contexts to check.

```
General structure

  //The list of contexts to check.
list of (
object {
contextlevel string   //The context level where the filters are:
                            (coursecat, course, module)
instanceid int   //The instance id of item associated with the context.
}
)
```

```
XML-RPC (PHP structure)

[contexts] =>
    Array
        (
        [0] =>
            Array
                (
                [contextlevel] => string
                [instanceid] => int
                )
        )
```

```
REST (POST parameters)

contexts[0][contextlevel]= string
contexts[0][instanceid]= int
```

Response

?

```
General structure

object {
filters   //Available filters
list of (
object {
contextlevel string   //The context level where the filters are:
                              (coursecat, course, module).
instanceid int   //The instance id of item associated with the context.
contextid int   //The context id.
filter string   //Filter plugin name.
localstate int   //Filter state: 1 for on, -1 for off, 0 if inherit.
inheritedstate int   //1 or 0 to use when localstate is set to inherit.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [filters] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [contextlevel] => string
                        [instanceid] => int
                        [contextid] => int
                        [filter] => string
                        [localstate] => int
                        [inheritedstate] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="filters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="contextlevel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instanceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filter">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="localstate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="inheritedstate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_form_dynamic_form

Process submission of a dynamic (modal) form

?

Arguments

form (Required)

Form class

```
General structure

string   //Form class
```

```
XML-RPC (PHP structure)

[form] => string
```

```
REST (POST parameters)

form= string
```

formdata (Required)

url-encoded form data

```
General structure

string   //url-encoded form data
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
submitted int   //If form was submitted and validated
data string  Optional //JSON-encoded return data from form processing method
html string  Optional //HTML fragment of the form
javascript string  Optional //JavaScript fragment of the form
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [submitted] => int
        [data] => string
        [html] => string
        [javascript] => string
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="submitted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="data">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="html">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_form_get_filetypes_browser_data

Provides data for the filetypes element browser.

Arguments

onlytypes (Default to "")

Limit the browser to the given groups and extensions

```
General structure

string  Default to "" //Limit the browser to the given groups and extensions
```

```
XML-RPC (PHP structure)

[onlytypes] => string
```

```
REST (POST parameters)

onlytypes= string
```

allowall (Default to "1")

Allows to select All file types, does not apply with onlytypes are set.

?

```
General structure

int  Default to "1" //Allows to select All file types, does not apply with onlytypes are set.
```

```
XML-RPC (PHP structure)

[allowall] => int
```

```
REST (POST parameters)

allowall= int
```

current (Default to "")

Current types that should be selected.

```
General structure

string  Default to "" //Current types that should be selected.
```

```
XML-RPC (PHP structure)

[current] => string
```

```
REST (POST parameters)

current= string
```

Response

```
General structure

object {
groups   //List of file type groups
list of (
object {
key string   //The file type group identifier
name string   //The file type group name
selectable int   //Can it be marked as selected
selected int   //Should it be marked as selected
ext string   //The list of file extensions associated with the group
expanded int   //Should the group start as expanded or collapsed
types   //List of file types in the group
list of (
object {
key string   //The file type identifier
name string   //The file type name
selected int   //Should it be marked as selected
ext string   //The file extension associated with the file type
}
)}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [groups] =>
        Array
            (
            [0] =>
                Array
                    (
                    [key] => string
                    [name] => string
                    [selectable] => int
                    [selected] => int
                    [ext] => string
                    [expanded] => int
                    [types] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [key] => string
                                    [name] => string
                                    [selected] => int
                                    [ext] => string
                                    )
                            )
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="key">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="selectable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="selected">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ext">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="expanded">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="types">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="key">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="selected">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="ext">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_get_component_strings

Return all raw strings (with {$a->xxx}), for a specific component - similar to core get_component_strings(), call

Arguments

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

lang (Default to "null")

lang

```
General structure

string  Default to "null" //lang
```

```
XML-RPC (PHP structure)

[lang] => string
```

```
REST (POST parameters)

lang= string
```

Response

?

```
General structure

list of (
object {
stringid string   //string id
string string   //translated string
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [stringid] => string
                [string] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="stringid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="string">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_get_fragment

Return a fragment for inclusion, such as a JavaScript page.

Arguments

component (Required)

Component for the callback e.g. mod_assign

?

```
General structure

string   //Component for the callback e.g. mod_assign
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

callback (Required)

Name of the callback to execute

```
General structure

string   //Name of the callback to execute
```

```
XML-RPC (PHP structure)

[callback] => string
```

```
REST (POST parameters)

callback= string
```

contextid (Required)

Context ID that the fragment is from

```
General structure

int   //Context ID that the fragment is from
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

args (Optional)

args for the callback are optional

```
General structure

 Optional //args for the callback are optional
list of (
object {
name string   //param name
value string   //param value
}
)
```

```
XML-RPC (PHP structure)

[args] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

?

```
REST (POST parameters)

args[0][name]= string
args[0][value]= string
```

Response

```
General structure

object {
html string   //HTML fragment.
javascript string   //JavaScript fragment
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [html] => string
        [javascript] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="html">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_get_string

Return a translated string - similar to core get_string(), call

Arguments

stringid (Required)

string identifier ?

```
General structure

string   //string identifier
```

```
XML-RPC (PHP structure)

[stringid] => string
```

```
REST (POST parameters)

stringid= string
```

component (Default to "moodle")

component

```
General structure

string  Default to "moodle" //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

lang (Default to "null")

lang

```
General structure

string  Default to "null" //lang
```

```
XML-RPC (PHP structure)

[lang] => string
```

```
REST (POST parameters)

lang= string
```

stringparams (Default to "Array ( ) ")

the definition of a string param (i.e. {$a->name})

```
General structure

 Default to "Array
(
)
" //the definition of a string param (i.e. {$a->name})
list of (
object {
name string  Optional //param name
                        - if the string expect only one $a parameter then don't send this field, just send the value.
value string   //param value
}
)
```

?

```
XML-RPC (PHP structure)

[stringparams] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

stringparams[0][name]= string
stringparams[0][value]= string
```

Response

translated string

```
General structure

string   //translated string
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_get_strings

Return some translated strings - like several core get_string(), calls

Arguments

strings (Required) ?

```
General structure

list of (
object {
stringid string   //string identifier
component string  Default to "moodle" //component
lang string  Default to "null" //lang
stringparams  Default to "Array
(
)
" //the definition of a string param (i.e. {$a->name})
list of (
object {
name string  Optional //param name
                                    - if the string expect only one $a parameter then don't send this field, just send the value.
value string   //param value
}
)}
)
```

```
XML-RPC (PHP structure)

[strings] =>
    Array
        (
        [0] =>
            Array
                (
                [stringid] => string
                [component] => string
                [lang] => string
                [stringparams] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [value] => string
                                )
                        )
                )
        )
```

```
REST (POST parameters)

strings[0][stringid]= string
strings[0][component]= string
strings[0][lang]= string
strings[0][stringparams][0][name]= string
strings[0][stringparams][0][value]= string
```

Response

```
General structure

list of (
object {
stringid string   //string id
component string   //string component
lang string   //lang
string string   //translated string
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [stringid] => string
            [component] => string
            [lang] => string
            [string] => string
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="stringid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="string">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_get_user_dates

Return formatted timestamps

Arguments

contextid (Default to "0")

Context ID. Either use this value, or level and instanceid.

General structure

```
int  Default to "0" //Context ID. Either use this value, or level and instanceid.
```

?

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

contextlevel (Default to "")

Context level. To be used with instanceid.

```
General structure

string  Default to "" //Context level. To be used with instanceid.
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Default to "0")

Context instance ID. To be used with level

```
General structure

int  Default to "0" //Context instance ID. To be used with level
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

timestamps (Required)

```
General structure

list of (
object {
timestamp int   //unix timestamp
format string   //format string
type string  Default to "null" //The calendar type
fixday int  Default to "1" //Remove leading zero for day
fixhour int  Default to "1" //Remove leading zero for hour
}
)
```

```
XML-RPC (PHP structure)

[timestamps] =>
    Array
        (
        [0] =>
            Array
                (
                [timestamp] => int
                [format] => string
                [type] => string
                [fixday] => int
                [fixhour] => int
                )
        )
```

?

```
REST (POST parameters)

timestamps[0][timestamp]= int
timestamps[0][format]= string
timestamps[0][type]= string
timestamps[0][fixday]= int
timestamps[0][fixhour]= int
```

Response

```
General structure

object {
dates list of (
string   //formatted dates strings
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [dates] =>
            Array
                (
                [0] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="dates">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_create_gradecategories

Create grade categories inside a course gradebook.

?

Arguments

courseid (Required)

id of course

```
General structure

int   //id of course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

categories (Required)

Categories to create

```
General structure

  //Categories to create
list of (
  //Category to create
object {
fullname string   //fullname of category
options  Default to "Array
(
)
" //optional category data
object {
aggregation int  Optional //aggregation method
aggregateonlygraded int  Optional //exclude empty grades
aggregateoutcomes int  Optional //aggregate outcomes
droplow int  Optional //drop low grades
itemname string  Optional //the category total name
iteminfo string  Optional //the category iteminfo
idnumber string  Optional //the category idnumber
gradetype int  Optional //the grade type
grademax int  Optional //the grade max
grademin int  Optional //the grade min
gradepass int  Optional //the grade to pass
display int  Optional //the display type
decimals int  Optional //the decimal count
hiddenuntil int  Optional //grades hidden until
locktime int  Optional //lock grades after
weightoverride int  Optional //weight adjusted
aggregationcoef2 string  Optional //weight coefficient
parentcategoryid int  Optional //The parent category id
parentcategoryidnumber string  Optional //the parent category idnumber
}
}
)
```

?

XML-RPC (PHP structure)

```
[categories] =>
    Array
        (
        [0] =>
            Array
                (
                [fullname] => string
                [options] =>
                    Array
                        (
                        [aggregation] => int
                        [aggregateonlygraded] => int
                        [aggregateoutcomes] => int
                        [droplow] => int
                        [itemname] => string
                        [iteminfo] => string
                        [idnumber] => string
                        [gradetype] => int
                        [grademax] => int
                        [grademin] => int
                        [gradepass] => int
                        [display] => int
                        [decimals] => int
                        [hiddenuntil] => int
                        [locktime] => int
                        [weightoverride] => int
                        [aggregationcoef2] => string
                        [parentcategoryid] => int
                        [parentcategoryidnumber] => string
                        )
                )
        )
```

REST (POST parameters)

```
categories[0][fullname]= string
categories[0][options][aggregation]= int
categories[0][options][aggregateonlygraded]= int
categories[0][options][aggregateoutcomes]= int
categories[0][options][droplow]= int
categories[0][options][itemname]= string
categories[0][options][iteminfo]= string
categories[0][options][idnumber]= string
categories[0][options][gradetype]= int
categories[0][options][grademax]= int
categories[0][options][grademin]= int
categories[0][options][gradepass]= int
categories[0][options][display]= int
categories[0][options][decimals]= int
categories[0][options][hiddenuntil]= int
categories[0][options][locktime]= int
categories[0][options][weightoverride]= int
categories[0][options][aggregationcoef2]= string
categories[0][options][parentcategoryid]= int
categories[0][options][parentcategoryidnumber]= string
```

Response

General structure

```
object {
categoryids list of (
int   //created cateogry ID
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [categoryids] =>
        Array
            (
            [0] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="categoryids">
            <MULTIPLE>
                <VALUE>int</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_grades_get_enrolled_users_for_search_widget Deprecated

** DEPRECATED ** Please do not call this function any more. Use core_grades_get_enrolled_users_for_selector instead. Returns the enrolled users within and map some fields to the returned array of user objects.

Arguments

courseid (Required)

Course Id

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

actionbaseurl (Required)

The base URL for the user option

```
General structure

string   //The base URL for the user option
```

```
XML-RPC (PHP structure)

[actionbaseurl] => string
```

```
REST (POST parameters)

actionbaseurl= string
```

groupid (Default to "0")

Group Id

```
General structure

int  Default to "0" //Group Id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

General structure

```
object {
users list of (
object {
id int   //ID of the user
profileimage string  Optional //The location of the users larger image
url string  Optional //The link to the user report
fullname string  Optional //The full name of the user
email string  Optional //An email address - allow email as root@localhost
active int   //Are we currently on this item?
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [profileimage] => string
                    [url] => string
                    [fullname] => string
                    [email] => string
                    [active] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="profileimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="active">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_get_enrolled_users_for_selector

Returns the enrolled users within and map some fields to the returned array of user objects.

?

Arguments

courseid (Required)

Course Id

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

groupid (Default to "0")

Group Id

```
General structure

int  Default to "0" //Group Id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
users list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [username] => string
                    [firstname] => string
                    [lastname] => string
                    [fullname] => string
                    [email] => string
                    [address] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [idnumber] => string
                    [interests] => string
                    [firstaccess] => int
                    [lastaccess] => int
                    [auth] => string
                    [suspended] => int
                    [confirmed] => int
                    [lang] => string
                    [calendartype] => string
                    [theme] => string
                    [timezone] => string
                    [mailformat] => int
                    [description] => string
                    [descriptionformat] => int
                    [city] => string
                    [country] => string
                    [profileimageurlsmall] => string
                    [profileimageurl] => string
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [type] => string
                                    [value] => string
                                    [displayvalue] => string
                                    [name] => string
                                    [shortname] => string
                                    )
                            )
                    [preferences] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="username">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="address">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="department">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="institution">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="interests">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="auth">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="suspended">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="confirmed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="calendartype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="theme">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timezone">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mailformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="city">
                        <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="country">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="customfields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="type">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="displayvalue">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="shortname">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="preferences">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_grades_get_feedback

Get the feedback data for a grade item

Arguments
courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

User ID

```
General structure

int   //User ID
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

itemid (Required)

Grade Item ID

```
General structure

int   //Grade Item ID
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

Response ?

```
General structure

object {
feedbacktext string   //The full feedback text
title string   //Title of the grade item that the feedback is for
fullname string   //Students name
picture string   //Students picture
additionalfield string   //Additional field for the user (email or ID number, for example)
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [feedbacktext] => string
        [title] => string
        [fullname] => string
        [picture] => string
        [additionalfield] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="feedbacktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="title">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="picture">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="additionalfield">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_get_grade_tree

Get the grade tree structure for a course

?

Arguments

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

JSON encoded data representing the course grade tree structure.

```
General structure

string   //JSON encoded data representing the course grade tree structure.
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_get_gradeitems

Get the gradeitems for a course

Arguments

courseid (Required)

Course ID ?

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
gradeItems list of (
object {
id string   //An ID for the grade item
itemname string   //The full name of the grade item
category string  Optional //The grade category of the grade item
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [gradeItems] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => string
                        [itemname] => string
                        [category] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="gradeItems">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="category">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_get_groups_for_search_widget

** DEPRECATED ** Please do not call this function any more. Use core_group_get_groups_for_selector instead. Get the group/(s) for a course

Arguments

courseid (Required)

Course Id

?

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
groups list of (
object {
id string   //An ID for the group
name string   //The full name of the group
groupimageurl string  Optional //Group image URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [groups] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => string
                        [name] => string
                        [groupimageurl] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="groupimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_get_groups_for_selector

** DEPRECATED ** Please do not call this function any more. Use core_group_get_groups_for_selector instead. Get the group/(s) for a course

Arguments

courseid (Required)

Course Id

?

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
groups list of (
object {
id string   //An ID for the group
name string   //The full name of the group
groupimageurl string  Optional //Group image URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [groups] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => string
                        [name] => string
                        [groupimageurl] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="groupimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_grader_gradingpanel_point_fetch

Fetch the data required to display the grader grading panel for simple grading, creating the grade item if required

Arguments

component (Required)

The name of the component

?

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

Response

?

General structure

```
object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
grade double   //The numeric grade
usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [templatename] => string
        [hasgrade] => int
        [grade] =>
            Array
                (
                [grade] => double
                [usergrade] => string
                [maxgrade] => string
                [gradedby] => string
                [timecreated] => int
                [timemodified] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_grader_gradingpanel_point_store ?

Store the data required to display the grader grading panel for simple grading

Arguments

component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

?

```
REST (POST parameters)

gradeduserid= int
```

notifyuser (Default to "")

Wheteher to notify the user or not

```
General structure

int  Default to "" //Wheteher to notify the user or not
```

```
XML-RPC (PHP structure)

[notifyuser] => int
```

```
REST (POST parameters)

notifyuser= int
```

formdata (Required)

The serialised form data representing the grade

```
General structure

string   //The serialised form data representing the grade
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
grade double   //The numeric grade
usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templatename] => string
    [hasgrade] => int
    [grade] =>
        Array
            (
            [grade] => double
            [usergrade] => string
            [maxgrade] => string
            [gradedby] => string
            [timecreated] => int
            [timemodified] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_grades_grader_gradingpanel_scale_fetch ?

Fetch the data required to display the grader grading panel for scale-based grading, creating the grade item if required

Arguments

component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

?

```
REST (POST parameters)

gradeduserid= int
```

Response

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
options   //The description of the grade option
list of (
object {
value double   //The grade value
title string   //The description fo the option
selected int   //Whether this item is currently selected
}
)usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)

    Array
        (
        [templatename] => string
        [hasgrade] => int
        [grade] =>
            Array
                (
                [options] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [value] => double
                                [title] => string
                                [selected] => int
                                )
                        )
                [usergrade] => string
                [maxgrade] => string
                [gradedby] => string
                [timecreated] => int
                [timemodified] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="options">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="value">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="selected">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_grades_grader_gradingpanel_scale_store

Store the data required to display the grader grading panel for scale-based grading

Arguments
component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

?

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

notifyuser (Default to "")

Wheteher to notify the user or not

```
General structure

int  Default to "" //Wheteher to notify the user or not
```

```
XML-RPC (PHP structure)

[notifyuser] => int
```

```
REST (POST parameters)

notifyuser= int
```

formdata (Required)

The serialised form data representing the grade

```
General structure

string   //The serialised form data representing the grade
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

?

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
options   //The description of the grade option
list of (
object {
value double   //The grade value
title string   //The description fo the option
selected int   //Whether this item is currently selected
}
)usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [templatename] => string
        [hasgrade] => int
        [grade] =>
            Array
                (
                [options] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [value] => double
                                [title] => string
                                [selected] => int
                                )
                        )
                [usergrade] => string
                [maxgrade] => string
                [gradedby] => string
                [timecreated] => int
                [timemodified] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="options">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="value">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="selected">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_grades_update_grades

Update a grade item and associated student grades.

Arguments
source (Required)

The source of the grade update

```
General structure

string   //The source of the grade update
```

```
XML-RPC (PHP structure)

[source] => string
```

```
REST (POST parameters)

source= string
```

courseid (Required)

id of course

```
General structure

int   //id of course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

component (Required)

A component, for example mod_forum or mod_quiz

```
General structure

string   //A component, for example mod_forum or mod_quiz
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityid (Required)

The activity ID

?

```
General structure

int   //The activity ID
```

```
XML-RPC (PHP structure)

[activityid] => int
```

```
REST (POST parameters)

activityid= int
```

itemnumber (Required)

grade item ID number for modules that have multiple grades. Typically this is 0.

```
General structure

int   //grade item ID number for modules that have multiple grades. Typically this is 0.
```

```
XML-RPC (PHP structure)

[itemnumber] => int
```

```
REST (POST parameters)

itemnumber= int
```

grades (Default to "Array ( ) ")

Any student grades to alter

```
General structure

 Default to "Array
(
)
" //Any student grades to alter
list of (
object {
studentid int   //Student ID
grade double   //Student grade
str_feedback string  Optional //A string representation of the feedback from the grader
}
)
```

```
XML-RPC (PHP structure)

[grades] =>
    Array
        (
        [0] =>
            Array
                (
                [studentid] => int
                [grade] => double
                [str_feedback] => string
                )
        )
```

```
REST (POST parameters)

grades[0][studentid]= int
grades[0][grade]= double
grades[0][str_feedback]= string
```

itemdetails (Default to "Array ( ) ")

Any grade item settings to alter

?

```
General structure

 Default to "Array
(
)
" //Any grade item settings to alter
object {
itemname string  Optional //The grade item name
idnumber int  Optional //Arbitrary ID provided by the module responsible for the grade item
gradetype int  Optional //The type of grade (0 = none, 1 = value, 2 = scale, 3 = text)
grademax double  Optional //Maximum grade allowed
grademin double  Optional //Minimum grade allowed
scaleid int  Optional //The ID of the custom scale being is used
multfactor double  Optional //Multiply all grades by this number
plusfactor double  Optional //Add this to all grades
deleted int  Optional //True if the grade item should be deleted
hidden int  Optional //True if the grade item is hidden
}
```

```
XML-RPC (PHP structure)

[itemdetails] =>
    Array
        (
        [itemname] => string
        [idnumber] => int
        [gradetype] => int
        [grademax] => double
        [grademin] => double
        [scaleid] => int
        [multfactor] => double
        [plusfactor] => double
        [deleted] => int
        [hidden] => int
        )
```

```
REST (POST parameters)

itemdetails[itemname]= string
itemdetails[idnumber]= int
itemdetails[gradetype]= int
itemdetails[grademax]= double
itemdetails[grademin]= double
itemdetails[scaleid]= int
itemdetails[multfactor]= double
itemdetails[plusfactor]= double
itemdetails[deleted]= int
itemdetails[hidden]= int
```

Response

A value like 0 => OK, 1 => FAILED as defined in lib/grade/constants.php

```
General structure

int   //A value like 0 => OK, 1 => FAILED
            as defined in lib/grade/constants.php
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_grading_get_definitions

Get grading definitions

Arguments

cmids (Required)

1 or more course module ids

```
General structure

  //1 or more course module ids
list of (
int   //course module id
)
```

```
XML-RPC (PHP structure)

[cmids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cmids[0]= int
```

areaname (Required)

area name

```
General structure

string   //area name
```

```
XML-RPC (PHP structure)

[areaname] => string
```

```
REST (POST parameters)

areaname= string
```

activeonly (Default to "0")

Only the active method

?

```
General structure

int  Default to "0" //Only the active method
```

```
XML-RPC (PHP structure)

[activeonly] => int
```

```
REST (POST parameters)

activeonly= int
```

Response

?

```
General structure

object {
areas   //list of grading areas
list of (
object {
cmid int   //course module id
contextid int   //context id
component string   //component name
areaname string   //area name
activemethod string  Optional //active method
definitions   //definitions
list of (
object {
id int  Optional //definition id
method string   //method
name string   //name
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
status int   //status
copiedfromid int  Optional //copied from id
timecreated int   //creation time
usercreated int   //user who created definition
timemodified int   //last modified time
usermodified int   //user who modified definition
timecopied int  Optional //time copied
guide  Optional //items
object {
guide_criteria list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
shortname string   //description
descriptionmarkers string  Optional //markers description
descriptionmarkersformat int  Optional //descriptionmarkers format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
maxscore double   //maximum score
}
)guide_comments  Optional //comments
list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
rubric  Optional //items
object {
rubric_criteria  Optional //definition details
list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
levels  Optional //levels
list of (
object {
id int  Optional //level id
score double  Optional //score
definition string  Optional //definition
definitionformat int  Optional //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [areas] =>
        Array
            (
            [0] =>
                Array
                    (
                    [cmid] => int
                    [contextid] => int
                    [component] => string
                    [areaname] => string
                    [activemethod] => string
                    [definitions] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [method] => string
                                    [name] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [status] => int
                                    [copiedfromid] => int
                                    [timecreated] => int
                                    [usercreated] => int
                                    [timemodified] => int
                                    [usermodified] => int
                                    [timecopied] => int
                                    [guide] =>
                                        Array
                                            (
                                            [guide_criteria] =>
                                                Array
                                                    (
                                                    [0] =>
                                                        Array
                                                            (
                                                            [id] => int
                                                            [sortorder] => int
                                                            [description] => string
                                                            [descriptionformat] => int
                                                            [shortname] => string
                                                            [descriptionmarkers] => string
                                                            [descriptionmarkersformat] => int
                                                            [maxscore] => double
                                                            )
                                                    )
                                            [guide_comments] =>
                                                Array
                                                    (
                                                    [0] =>
                                                        Array
                                                            (
                                                            [id] => int
                                                            [sortorder] => int
                                                            [description] => string
                                                            [descriptionformat] => int
                                                            )
                                                    )
                                            )
                                    [rubric] =>
                                        Array
                                            (
                                            [rubric_criteria] =>
                                                Array
                                                    (
                                                    [0] =>
                                                        Array
                                                            (
                                                            [id] => int
                                                            [sortorder] => int
                                                            [description] => string
                                                            [descriptionformat] => int
                                                            [levels] =>
                                                                Array
                                                                    (
                                                                    [0] =>
                                                                        Array
                                                                            (
```

?

```
                                                
```

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="areas">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="cmid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="areaname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="activemethod">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitions">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="method">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="description">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="descriptionformat">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="status">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="copiedfromid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="usercreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="usermodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecopied">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="guide">
                                    <SINGLE>
                                        <KEY name="guide_criteria">
                                            <MULTIPLE>
                                                <SINGLE>
                                                    <KEY name="id">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="sortorder">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="description">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="descriptionformat">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="shortname">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="descriptionmarkers">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
```


?

```
                                    <KEY name="descriptionmarkersformat">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="maxscore">
                                        <VALUE>double</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                        <KEY name="guide_comments">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="sortorder">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="description">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="descriptionformat">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="rubric">
                    <SINGLE>
                        <KEY name="rubric_criteria">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="sortorder">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="description">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="descriptionformat">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="levels">
                                        <MULTIPLE>
                                            <SINGLE>
                                                <KEY name="id">
                                                    <VALUE>int</VALUE>
                                                </KEY>
                                                <KEY name="score">
                                                    <VALUE>double</VALUE>
                                                </KEY>
                                                <KEY name="definition">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                                <KEY name="definitionformat">
                                                    <VALUE>int</VALUE>
                                                </KEY>
                                            </SINGLE>
                                        </MULTIPLE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    </SINGLE>
</MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_grading_get_gradingform_instances

Get grading form instances

Arguments

definitionid (Required)

definition id

```
General structure

int   //definition id
```

```
XML-RPC (PHP structure)

[definitionid] => int
```

```
REST (POST parameters)

definitionid= int
```

since (Default to "0")

submitted since

```
General structure

int  Default to "0" //submitted since
```

```
XML-RPC (PHP structure)

[since] => int
```

?

```
REST (POST parameters)

since= int
```

Response

```
General structure

object {
instances   //list of grading instances
list of (
object {
id int   //instance id
raterid int   //rater id
itemid int   //item id
rawgrade string  Optional //raw grade
status int   //status
feedback string  Optional //feedback
feedbackformat int  Optional //feedback format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timemodified int   //modified time
guide  Optional //items
object {
criteria  Optional //filling
list of (
object {
id int   //filling id
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
score double   //maximum score
}
)}
rubric  Optional //items
object {
criteria  Optional //filling
list of (
object {
id int   //filling id
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [instances] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [raterid] => int
                    [itemid] => int
                    [rawgrade] => string
                    [status] => int
                    [feedback] => string
                    [feedbackformat] => int
                    [timemodified] => int
                    [guide] =>
                        Array
                            (
                            [criteria] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [criterionid] => int
                                            [levelid] => int
                                            [remark] => string
                                            [remarkformat] => int
                                            [score] => double
                                            )
                                    )
                            )
                    [rubric] =>
                        Array
                            (
                            [criteria] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [criterionid] => int
                                            [levelid] => int
                                            [remark] => string
                                            [remarkformat] => int
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="instances">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="raterid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rawgrade">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedback">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="guide">
                        <SINGLE>
                            <KEY name="criteria">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="criterionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="levelid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="remark">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="remarkformat">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="score">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="rubric">
                        <SINGLE>
                            <KEY name="criteria">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="criterionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="levelid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="remark">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="remarkformat">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
```


?

```
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_grading_save_definitions

Save grading definitions

Arguments

areas (Required)

areas with definitions to save

?

```
General structure

  //areas with definitions to save
list of (
object {
cmid int   //course module id
contextid int   //context id
component string   //component name
areaname string   //area name
activemethod string  Optional //active method
definitions   //definitions
list of (
object {
id int  Optional //definition id
method string   //method
name string   //name
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
status int   //status
copiedfromid int  Optional //copied from id
timecreated int   //creation time
usercreated int   //user who created definition
timemodified int   //last modified time
usermodified int   //user who modified definition
timecopied int  Optional //time copied
guide  Optional //items
object {
guide_criteria list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
shortname string   //description
descriptionmarkers string  Optional //markers description
descriptionmarkersformat int  Optional //descriptionmarkers format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
maxscore double   //maximum score
}
)guide_comments  Optional //comments
list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
rubric  Optional //items
object {
rubric_criteria  Optional //definition details
list of (
object {
id int  Optional //criterion id
sortorder int  Optional //sortorder
description string  Optional //description
descriptionformat int  Optional //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
levels  Optional //levels
list of (
object {
id int  Optional //level id
score double  Optional //score
definition string  Optional //definition
definitionformat int  Optional //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
}
)}
)
```

?

XML-RPC (PHP structure)

```
[areas] =>
    Array
        (
        [0] =>
            Array
                (
                [cmid] => int
                [contextid] => int
                [component] => string
                [areaname] => string
                [activemethod] => string
                [definitions] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [method] => string
                                [name] => string
                                [description] => string
                                [descriptionformat] => int
                                [status] => int
                                [copiedfromid] => int
                                [timecreated] => int
                                [usercreated] => int
                                [timemodified] => int
                                [usermodified] => int
                                [timecopied] => int
                                [guide] =>
                                    Array
                                        (
                                        [guide_criteria] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [id] => int
                                                        [sortorder] => int
                                                        [description] => string
                                                        [descriptionformat] => int
                                                        [shortname] => string
                                                        [descriptionmarkers] => string
                                                        [descriptionmarkersformat] => int
                                                        [maxscore] => double
                                                        )
                                                )
                                        [guide_comments] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [id] => int
                                                        [sortorder] => int
                                                        [description] => string
                                                        [descriptionformat] => int
                                                        )
                                                )
                                        )
                                [rubric] =>
                                    Array
                                        (
                                        [rubric_criteria] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [id] => int
                                                        [sortorder] => int
                                                        [description] => string
                                                        [descriptionformat] => int
                                                        [levels] =>
                                                            Array
                                                                (
                                                                [0] =>
                                                                    Array
                                                                        (
                                                                        [id] => int
                                                                        [score] => double
                                                                        [definition] => string
```

?

```
                                                                    [definitionformat] => int
                                                                    )
                                                                )
                                                            )
                                                        )
                                                    )
                                                )
                                            )
                                        )
                                    )
```

```
REST (POST parameters)

areas[0][cmid]= int
areas[0][contextid]= int
areas[0][component]= string
areas[0][areaname]= string
areas[0][activemethod]= string
areas[0][definitions][0][id]= int
areas[0][definitions][0][method]= string
areas[0][definitions][0][name]= string
areas[0][definitions][0][description]= string
areas[0][definitions][0][descriptionformat]= int
areas[0][definitions][0][status]= int
areas[0][definitions][0][copiedfromid]= int
areas[0][definitions][0][timecreated]= int
areas[0][definitions][0][usercreated]= int
areas[0][definitions][0][timemodified]= int
areas[0][definitions][0][usermodified]= int
areas[0][definitions][0][timecopied]= int
areas[0][definitions][0][guide][guide_criteria][0][id]= int
areas[0][definitions][0][guide][guide_criteria][0][sortorder]= int
areas[0][definitions][0][guide][guide_criteria][0][description]= string
areas[0][definitions][0][guide][guide_criteria][0][descriptionformat]= int
areas[0][definitions][0][guide][guide_criteria][0][shortname]= string
areas[0][definitions][0][guide][guide_criteria][0][descriptionmarkers]= string
areas[0][definitions][0][guide][guide_criteria][0][descriptionmarkersformat]= int
areas[0][definitions][0][guide][guide_criteria][0][maxscore]= double
areas[0][definitions][0][guide][guide_comments][0][id]= int
areas[0][definitions][0][guide][guide_comments][0][sortorder]= int
areas[0][definitions][0][guide][guide_comments][0][description]= string
areas[0][definitions][0][guide][guide_comments][0][descriptionformat]= int
areas[0][definitions][0][rubric][rubric_criteria][0][id]= int
areas[0][definitions][0][rubric][rubric_criteria][0][sortorder]= int
areas[0][definitions][0][rubric][rubric_criteria][0][description]= string
areas[0][definitions][0][rubric][rubric_criteria][0][descriptionformat]= int
areas[0][definitions][0][rubric][rubric_criteria][0][levels][0][id]= int
areas[0][definitions][0][rubric][rubric_criteria][0][levels][0][score]= double
areas[0][definitions][0][rubric][rubric_criteria][0][levels][0][definition]= string
areas[0][definitions][0][rubric][rubric_criteria][0][levels][0][definitionformat]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_group_add_group_members

Adds group members.

Arguments

members (Required)

```
General structure

list of (
object {
groupid int   //group record id
userid int   //user id
}
)
```

```
XML-RPC (PHP structure)

[members] =>
    Array
        (
        [0] =>
            Array
                (
                [groupid] => int
                [userid] => int
                )
        )
```

```
REST (POST parameters)

members[0][groupid]= int
members[0][userid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_assign_grouping

Assing groups from groupings

Arguments

assignments (Required) ?

```
General structure

list of (
object {
groupingid int   //grouping record id
groupid int   //group record id
}
)
```

```
XML-RPC (PHP structure)

[assignments] =>
    Array
        (
        [0] =>
            Array
                (
                [groupingid] => int
                [groupid] => int
                )
        )
```

```
REST (POST parameters)

assignments[0][groupingid]= int
assignments[0][groupid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_create_groupings

Creates new groupings

Arguments

groupings (Required)

List of grouping object. A grouping has a courseid, a name and a description.

?

```
General structure

  //List of grouping object. A grouping has a courseid, a name and a description.
list of (
object {
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //grouping description text
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string  Optional //id number
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)

[groupings] =>
    Array
        (
        [0] =>
            Array
                (
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [idnumber] => string
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

```
REST (POST parameters)

groupings[0][courseid]= int
groupings[0][name]= string
groupings[0][description]= string
groupings[0][descriptionformat]= int
groupings[0][idnumber]= string
groupings[0][customfields][0][shortname]= string
groupings[0][customfields][0][value]= string
```

Response

List of grouping object. A grouping has an id, a courseid, a name and a description.

```
General structure

  //List of grouping object. A grouping has an id, a courseid, a name and a description.
list of (
object {
id int   //grouping record id
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //grouping description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string   //id number
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [courseid] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [idnumber] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [shortname] => string
                            [value] => string
                            )
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

core_group_create_groups

Creates new groups.

Arguments
groups (Required)

List of group object. A group has a courseid, a name, a description and an enrolment key.

```
General structure

  //List of group object. A group has a courseid, a name, a description and an enrolment key.
list of (
object {
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //group description text
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string  Optional //group enrol secret phrase
idnumber string  Optional //id number
visibility int  Default to "0" //group visibility mode. 0 = Visible to all. 1 = Visible to members. 2 = See own membership. 3 = Membership is hidden. default: 0
participation int  Default to "1" //activity participation enabled? Only for "all" and "members" visibility. Default true.
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)

[groups] =>
    Array
        (
        [0] =>
            Array
                (
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => string
                [visibility] => int
                [participation] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

groups[0][courseid]= int
groups[0][name]= string
groups[0][description]= string
groups[0][descriptionformat]= int
groups[0][enrolmentkey]= string
groups[0][idnumber]= string
groups[0][visibility]= int
groups[0][participation]= int
groups[0][customfields][0][shortname]= string
groups[0][customfields][0][value]= string
```

Response

List of group object. A group has an id, a courseid, a name, a description and an enrolment key.

```
General structure

  //List of group object. A group has an id, a courseid, a name, a description and an enrolment key.
list of (
object {
id int   //group record id
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string   //group enrol secret phrase
idnumber string   //id number
visibility int   //group visibility mode. 0 = Visible to all. 1 = Visible to members. 2 = See own membership. 3 = Membership is hidden.
participation int   //participation mode
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => string
                [visibility] => int
                [participation] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enrolmentkey">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="visibility">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="participation">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_delete_group_members

Deletes group members.

?

Arguments

members (Required)

```
General structure

list of (
object {
groupid int   //group record id
userid int   //user id
}
)
```

```
XML-RPC (PHP structure)

[members] =>
    Array
        (
        [0] =>
            Array
                (
                [groupid] => int
                [userid] => int
                )
        )
```

```
REST (POST parameters)

members[0][groupid]= int
members[0][userid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_delete_groupings

Deletes all specified groupings.

Arguments

groupingids (Required)

```
General structure

list of (
int   //grouping ID
)
```

?

```
XML-RPC (PHP structure)

[groupingids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

groupingids[0]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_delete_groups

Deletes all specified groups.

Arguments

groupids (Required)

```
General structure

list of (
int   //Group ID
)
```

```
XML-RPC (PHP structure)

[groupids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

groupids[0]= int
```

Response ?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_activity_allowed_groups

Gets a list of groups that the user is allowed to access within the specified activity.

Arguments

cmid (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

userid (Default to "0")

id of user, empty for current user

```
General structure

int  Default to "0" //id of user, empty for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

General structure

```
object {
groups list of (
object {
id int   //group record id
name string   //group name
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string   //id number
courseid int  Optional //course id
}
)canaccessallgroups int  Optional //Whether the user will be able to access all the activity groups.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [groups] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [idnumber] => string
                    [courseid] => int
                    )
            )
    [canaccessallgroups] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canaccessallgroups">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_activity_groupmode

?

Returns effective groupmode used in a given activity.

Arguments

cmid (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

Response

```
General structure

object {
groupmode int   //group mode:
                                                    0 for no groups, 1 for separate groups, 2 for visible groups
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [groupmode] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groupmode">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_course_groupings

Returns all groupings in specified course.

Arguments

courseid (Required)

id of course

```
General structure

int   //id of course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

?

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

list of (
object {
id int   //grouping record id
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //grouping description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string   //id number
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [idnumber] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

core_group_get_course_groups

Returns all groups in specified course.

Arguments
courseid (Required)

id of course

```
General structure

int   //id of course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

list of (
object {
id int   //group record id
courseid int   //id of course
name string   //group name
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string   //group enrol secret phrase
idnumber string   //id number
visibility int   //group visibility mode. 0 = Visible to all. 1 = Visible to members. 2 = See own membership. 3 = Membership is hidden.
participation int   //participation mode
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => string
                [visibility] => int
                [participation] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enrolmentkey">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="visibility">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="participation">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_group_get_course_user_groups

Returns all groups in specified course for the specified user.

Arguments

courseid (Default to "0")

Id of course (empty or 0 for all the courses where the user is enrolled).

```
General structure

int  Default to "0" //Id of course (empty or 0 for all the courses where the user is enrolled).
```

?

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

Id of user (empty or 0 for current user).

```
General structure

int  Default to "0" //Id of user (empty or 0 for current user).
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupingid (Default to "0")

returns only groups in the specified grouping

```
General structure

int  Default to "0" //returns only groups in the specified grouping
```

```
XML-RPC (PHP structure)

[groupingid] => int
```

```
REST (POST parameters)

groupingid= int
```

Response

```
General structure

object {
groups list of (
object {
id int   //group record id
name string   //group name
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string   //id number
courseid int  Optional //course id
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [groups] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [idnumber] => string
                    [courseid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_group_members

Returns group members.

Arguments

groupids (Required)

```
General structure

list of (
int   //Group ID
)
```

```
XML-RPC (PHP structure)

[groupids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

groupids[0]= int
```

Response

```
General structure

list of (
object {
groupid int   //group record id
userids list of (
int   //user id
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [groupid] => int
            [userids] =>
                Array
                    (
                    [0] => int
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="groupid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userids">
                <MULTIPLE>
                    <VALUE>int</VALUE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_groupings

Returns groupings details.

Arguments

groupingids (Required)

List of grouping id. A grouping id is an integer.

General structure

```
  //List of grouping id. A grouping id is an integer.
list of (
int   //grouping ID
)
```

?

```
XML-RPC (PHP structure)

[groupingids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

groupingids[0]= int
```

returngroups (Default to "0")

return associated groups

```
General structure

int  Default to "0" //return associated groups
```

```
XML-RPC (PHP structure)

[returngroups] => int
```

```
REST (POST parameters)

returngroups= int
```

Response

```
General structure

list of (
object {
id int   //grouping record id
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //grouping description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string   //id number
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)groups  Optional //optional groups
list of (
object {
id int   //group record id
courseid int   //id of course
name string   //multilang compatible name, course unique
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string   //group enrol secret phrase
idnumber string   //id number
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [courseid] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [idnumber] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [shortname] => string
                            [type] => string
                            [valueraw] => string
                            [value] => string
                            )
                    )
            [groups] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [description] => string
                            [descriptionformat] => int
                            [enrolmentkey] => string
                            [idnumber] => string
                            [customfields] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [name] => string
                                            [shortname] => string
                                            [type] => string
                                            [valueraw] => string
                                            [value] => string
                                            )
                                    )
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="valueraw">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="groups">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="courseid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="descriptionformat">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="enrolmentkey">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="idnumber">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="customfields">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="shortname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="type">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="valueraw">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="value">
```


?

```
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_get_groups

Returns group details.

Arguments

groupids (Required)

List of group id. A group id is an integer.

```
General structure

  //List of group id. A group id is an integer.
list of (
int   //Group ID
)
```

```
XML-RPC (PHP structure)

[groupids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

groupids[0]= int
```

Response

?

```
General structure

list of (
object {
id int   //group record id
courseid int   //id of course
name string   //group name
description string   //group description text
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string   //group enrol secret phrase
idnumber string   //id number
visibility int   //group visibility mode. 0 = Visible to all. 1 = Visible to members. 2 = See own membership. 3 = Membership is hidden.
participation int   //participation mode
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => string
                [visibility] => int
                [participation] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [shortname] => string
                                [type] => string
                                [valueraw] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enrolmentkey">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="visibility">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="participation">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="valueraw">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_group_get_groups_for_selector

Get the group/(s) for a course

Arguments

courseid (Required)

Course Id

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
groups list of (
object {
id string   //An ID for the group
name string   //The full name of the group
groupimageurl string  Optional //Group image URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [groups] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => string
                    [name] => string
                    [groupimageurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groups">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="groupimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_group_unassign_grouping

Unassing groups from groupings

Arguments

unassignments (Required)

```
General structure

list of (
object {
groupingid int   //grouping record id
groupid int   //group record id
}
)
```

```
XML-RPC (PHP structure)

[unassignments] =>
    Array
        (
        [0] =>
            Array
                (
                [groupingid] => int
                [groupid] => int
                )
        )
```

```
REST (POST parameters)

unassignments[0][groupingid]= int
unassignments[0][groupid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

core_group_update_groupings

Updates existing groupings

Arguments
groupings (Required)

List of grouping object. A grouping has a courseid, a name and a description.

```
General structure

  //List of grouping object. A grouping has a courseid, a name and a description.
list of (
object {
id int   //id of grouping
name string   //multilang compatible name, course unique
description string   //grouping description text
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
idnumber string  Optional //id number
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

```
XML-RPC (PHP structure)

[groupings] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [idnumber] => string
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

```
REST (POST parameters)

groupings[0][id]= int
groupings[0][name]= string
groupings[0][description]= string
groupings[0][descriptionformat]= int
groupings[0][idnumber]= string
groupings[0][customfields][0][shortname]= string
groupings[0][customfields][0][value]= string
```

?

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_group_update_groups

Updates existing groups.

Arguments

groups (Required)

List of group objects. A group is found by the id, then all other details provided will be updated.

```
General structure

  //List of group objects. A group is found by the id, then all other details provided will be updated.
list of (
object {
id int   //ID of the group
name string   //multilang compatible name, course unique
description string  Optional //group description text
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
enrolmentkey string  Optional //group enrol secret phrase
idnumber string  Optional //id number
visibility string  Optional //group visibility mode. 0 = Visible to all. 1 = Visible to members. 2 = See own membership. 3 = Membership is hidden.
participation int  Optional //activity participation enabled? Only for "all" and "members" visibility
customfields  Optional //Custom fields
list of (
object {
shortname string   //The shortname of the custom field
value string   //The value of the custom field
}
)}
)
```

?

```
XML-RPC (PHP structure)

[groups] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => string
                [visibility] => string
                [participation] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [shortname] => string
                                [value] => string
                                )
                        )
                )
        )
```

```
REST (POST parameters)

groups[0][id]= int
groups[0][name]= string
groups[0][description]= string
groups[0][descriptionformat]= int
groups[0][enrolmentkey]= string
groups[0][idnumber]= string
groups[0][visibility]= string
groups[0][participation]= int
groups[0][customfields][0][shortname]= string
groups[0][customfields][0][value]= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_h5p_get_trusted_h5p_file

Get the H5P file cleaned for Mobile App.

Arguments

?

url (Required)

H5P file url.

```
General structure

string   //H5P file url.
```

```
XML-RPC (PHP structure)

[url] => string
```

```
REST (POST parameters)

url= string
```

frame (Default to "0")

The frame allow to show the bar options below the content

```
General structure

int  Default to "0" //The frame allow to show the bar options below the content
```

```
XML-RPC (PHP structure)

[frame] => int
```

```
REST (POST parameters)

frame= int
```

export (Default to "0")

The export allow to download the package

```
General structure

int  Default to "0" //The export allow to download the package
```

```
XML-RPC (PHP structure)

[export] => int
```

```
REST (POST parameters)

export= int
```

embed (Default to "0")

The embed allow to copy the code to your site

```
General structure

int  Default to "0" //The embed allow to copy the code to your site
```

```
XML-RPC (PHP structure)

[embed] => int
```

```
REST (POST parameters)

embed= int
```

copyright (Default to "0")

The copyright option ?

General structure

```
int  Default to "0" //The copyright option
```

XML-RPC (PHP structure)

```
[copyright] => int
```

REST (POST parameters)

```
copyright= int
```

Response

General structure

```
object {
files   //H5P file trusted.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [files] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [filename] => string
                        [filepath] => string
                        [filesize] => int
                        [fileurl] => string
                        [timemodified] => int
                        [mimetype] => string
                        [isexternalfile] => int
                        [repositorytype] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="files">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_message_block_user

Blocks a user

Arguments

userid (Required)

The id of the user who is blocking

```
General structure

int   //The id of the user who is blocking
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

blockeduserid (Required)

The id of the user being blocked

```
General structure

int   //The id of the user being blocked
```

```
XML-RPC (PHP structure)

[blockeduserid] => int
```

```
REST (POST parameters)

blockeduserid= int
```

Response

list of warnings

```
General structure

 Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)

    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_confirm_contact_request

Confirms a contact request

Arguments

userid (Required)

The id of the user making the request

```
General structure

int   //The id of the user making the request
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

requesteduserid (Required)

The id of the user being requested

?

```
General structure

int   //The id of the user being requested
```

```
XML-RPC (PHP structure)

[requesteduserid] => int
```

```
REST (POST parameters)

requesteduserid= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_create_contact_request

Creates a contact request

Arguments

userid (Required)

The id of the user making the request

```
General structure

int   //The id of the user making the request
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

requesteduserid (Required)

The id of the user being requested

```
General structure

int   //The id of the user being requested
```

```
XML-RPC (PHP structure)

[requesteduserid] => int
```

```
REST (POST parameters)

requesteduserid= int
```

Response

?

General structure

```
object {
request  Optional //request record
object {
id int   //Message id
userid int   //User from id
requesteduserid int   //User to id
timecreated int   //Time created
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [request] =>
        Array
            (
            [id] => int
            [userid] => int
            [requesteduserid] => int
            [timecreated] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="request">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="requesteduserid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_data_for_messagearea_search_messages

Retrieve the template data for searching for messages

Arguments

userid (Required)

The id of the user who is performing the search

?

```
General structure

int   //The id of the user who is performing the search
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

search (Required)

The string being searched

```
General structure

string   //The string being searched
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

limitfrom (Default to "0")

Limit from

```
General structure

int  Default to "0" //Limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

General structure

```
object {
contacts list of (
object {
userid int   //The user's id
fullname string   //The user's name
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
ismessaging int   //If we are messaging the user
sentfromcurrentuser int   //Was the last message sent from the current user?
lastmessage string   //The user's last message
lastmessagedate int  Default to "null" //Timestamp for last message
messageid int  Default to "null" //The unique search message id
showonlinestatus int   //Show the user's online status?
isonline int   //The user's online status
isread int   //If the user has read the message
isblocked int   //If the user has been blocked
unreadcount int  Default to "null" //The number of unread messages in this conversation
conversationid int  Default to "null" //The id of the conversation
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [contacts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [userid] => int
                    [fullname] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [ismessaging] => int
                    [sentfromcurrentuser] => int
                    [lastmessage] => string
                    [lastmessagedate] => int
                    [messageid] => int
                    [showonlinestatus] => int
                    [isonline] => int
                    [isread] => int
                    [isblocked] => int
                    [unreadcount] => int
                    [conversationid] => int
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="contacts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ismessaging">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sentfromcurrentuser">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastmessage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastmessagedate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="messageid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="unreadcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="conversationid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

?

Yes

core_message_decline_contact_request

Declines a contact request

Arguments

userid (Required)

The id of the user making the request

```
General structure

int   //The id of the user making the request
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

requesteduserid (Required)

The id of the user being requested

```
General structure

int   //The id of the user being requested
```

```
XML-RPC (PHP structure)

[requesteduserid] => int
```

```
REST (POST parameters)

requesteduserid= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [item] => string
            [itemid] => int
            [warningcode] => string
            [message] => string
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_delete_contacts

Remove contacts from the contact list

Arguments

userids (Required)

List of user IDs

?

```
General structure

  //List of user IDs
list of (
int   //User ID
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

userid (Default to "0")

The id of the user we are deleting the contacts for, 0 for the current user

```
General structure

int  Default to "0" //The id of the user we are deleting the contacts for, 0 for the
                    current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_delete_conversations_by_id

Deletes a list of conversations.

Arguments

?

userid (Required)

The user id of who we want to delete the conversation for

```
General structure

int   //The user id of who we want to delete the conversation for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationids (Required)

List of conversation IDs

```
General structure

  //List of conversation IDs
list of (
int   //The id of the conversation
)
```

```
XML-RPC (PHP structure)

[conversationids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

conversationids[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_delete_message

Deletes a message.

Arguments

messageid (Required)

The message id

```
General structure

int   //The message id
```

```
XML-RPC (PHP structure)

[messageid] => int
```

```
REST (POST parameters)

messageid= int
```

userid (Required)

The user id of who we want to delete the message for

?

```
General structure

int   //The user id of who we want to delete the message for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

read (Default to "1")

If is a message read

```
General structure

int  Default to "1" //If is a message read
```

```
XML-RPC (PHP structure)

[read] => int
```

```
REST (POST parameters)

read= int
```

Response

```
General structure

object {
status int   //True if the message was deleted, false otherwise
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_delete_message_for_all_users

Deletes a message for all users.

Arguments

messageid (Required)

The message id

```
General structure

int   //The message id
```

```
XML-RPC (PHP structure)

[messageid] => int
```

?

```
REST (POST parameters)

messageid= int
```

userid (Required)

The user id of who we want to delete the message for all users

```
General structure

int   //The user id of who we want to delete the message for all users
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_blocked_users

Retrieve a list of users blocked

Arguments

userid (Required)

the user whose blocked users we want to retrieve

```
General structure

int   //the user whose blocked users we want to retrieve
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

General structure

```
object {
users   //List of blocked users
list of (
object {
id int   //User ID
fullname string   //User full name
profileimageurl string  Optional //User picture URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileimageurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_message_get_contact_requests

Returns contact requests for a user

Arguments

userid (Required)

The id of the user we want the requests for

?

```
General structure

int   //The id of the user we want the requests for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

limitfrom (Default to "0")

Limit from

```
General structure

int  Default to "0" //Limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

```
General structure

list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            [isonline] => int
            [showonlinestatus] => int
            [isblocked] => int
            [iscontact] => int
            [isdeleted] => int
            [canmessageevenifblocked] => int
            [canmessage] => int
            [requirescontact] => int
            [contactrequests] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [userid] => int
                            [requesteduserid] => int
                            [timecreated] => int
                            )
                    )
            [conversations] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [type] => int
                            [name] => string
                            [timecreated] => int
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isonline">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showonlinestatus">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isdeleted">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessageevenifblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="requirescontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contactrequests">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="requesteduserid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="conversations">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversation

Retrieve a conversation for a user

Arguments

userid (Required)

The id of the user who we are viewing conversations for

```
General structure

int   //The id of the user who we are viewing conversations for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationid (Required)

The id of the conversation to fetch

```
General structure

int   //The id of the conversation to fetch
```

```
XML-RPC (PHP structure)

[conversationid] => int
```

```
REST (POST parameters)

conversationid= int
```

includecontactrequests (Required)

Include contact requests in the members

?

```
General structure

int   //Include contact requests in the members
```

```
XML-RPC (PHP structure)

[includecontactrequests] => int
```

```
REST (POST parameters)

includecontactrequests= int
```

includeprivacyinfo (Required)

Include privacy info in the members

```
General structure

int   //Include privacy info in the members
```

```
XML-RPC (PHP structure)

[includeprivacyinfo] => int
```

```
REST (POST parameters)

includeprivacyinfo= int
```

memberlimit (Default to "0")

Limit for number of members

```
General structure

int  Default to "0" //Limit for number of members
```

```
XML-RPC (PHP structure)

[memberlimit] => int
```

```
REST (POST parameters)

memberlimit= int
```

memberoffset (Default to "0")

Offset for member list

```
General structure

int  Default to "0" //Offset for member list
```

```
XML-RPC (PHP structure)

[memberoffset] => int
```

```
REST (POST parameters)

memberoffset= int
```

messagelimit (Default to "100")

Limit for number of messages

?

```
General structure

int  Default to "100" //Limit for number of messages
```

```
XML-RPC (PHP structure)

[messagelimit] => int
```

```
REST (POST parameters)

messagelimit= int
```

messageoffset (Default to "0")

Offset for messages list

```
General structure

int  Default to "0" //Offset for messages list
```

```
XML-RPC (PHP structure)

[messageoffset] => int
```

```
REST (POST parameters)

messageoffset= int
```

newestmessagesfirst (Default to "1")

Order messages by newest first

```
General structure

int  Default to "1" //Order messages by newest first
```

```
XML-RPC (PHP structure)

[newestmessagesfirst] => int
```

```
REST (POST parameters)

newestmessagesfirst= int
```

Response

?

```
General structure

object {
id int   //The conversation id
name string  Default to "null" //The conversation name, if set
subname string  Default to "null" //A subtitle for the conversation name, if set
imageurl string  Default to "null" //A link to the conversation picture, if set
type int   //The type of the conversation (1=individual,2=group,3=self)
membercount int   //Total number of conversation members
ismuted int   //If the user muted this conversation
isfavourite int   //If the user marked this conversation as a favourite
isread int   //If the user has read all messages in the conversation
unreadcount int  Default to "null" //The number of unread messages in this conversation
members list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)messages list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)candeletemessagesforallusers int  Default to "" //If the user can delete messages in the conversation for all users
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [subname] => string
    [imageurl] => string
    [type] => int
    [membercount] => int
    [ismuted] => int
    [isfavourite] => int
    [isread] => int
    [unreadcount] => int
    [members] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [useridfrom] => int
                    [text] => string
                    [timecreated] => int
                    )
            )
    [candeletemessagesforallusers] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="imageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="membercount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ismuted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="unreadcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="members">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
```


?

```
                            </KEY>
                            <KEY name="requesteduserid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="conversations">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messages">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="useridfrom">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="candeletemessagesforallusers">
        <VALUE>int</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversation_between_users ?

Retrieve a conversation for a user between another user

Arguments

userid (Required)

The id of the user who we are viewing conversations for

```
General structure

int   //The id of the user who we are viewing conversations for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

otheruserid (Required)

The other user id

```
General structure

int   //The other user id
```

```
XML-RPC (PHP structure)

[otheruserid] => int
```

```
REST (POST parameters)

otheruserid= int
```

includecontactrequests (Required)

Include contact requests in the members

```
General structure

int   //Include contact requests in the members
```

```
XML-RPC (PHP structure)

[includecontactrequests] => int
```

```
REST (POST parameters)

includecontactrequests= int
```

includeprivacyinfo (Required)

Include privacy info in the members

```
General structure

int   //Include privacy info in the members
```

```
XML-RPC (PHP structure)

[includeprivacyinfo] => int
```

?

```
REST (POST parameters)

includeprivacyinfo= int
```

memberlimit (Default to "0")

Limit for number of members

```
General structure

int  Default to "0" //Limit for number of members
```

```
XML-RPC (PHP structure)

[memberlimit] => int
```

```
REST (POST parameters)

memberlimit= int
```

memberoffset (Default to "0")

Offset for member list

```
General structure

int  Default to "0" //Offset for member list
```

```
XML-RPC (PHP structure)

[memberoffset] => int
```

```
REST (POST parameters)

memberoffset= int
```

messagelimit (Default to "100")

Limit for number of messages

```
General structure

int  Default to "100" //Limit for number of messages
```

```
XML-RPC (PHP structure)

[messagelimit] => int
```

```
REST (POST parameters)

messagelimit= int
```

messageoffset (Default to "0")

Offset for messages list

```
General structure

int  Default to "0" //Offset for messages list
```

```
XML-RPC (PHP structure)

[messageoffset] => int
```

?

```
REST (POST parameters)

messageoffset= int
```

newestmessagesfirst (Default to "1")

Order messages by newest first

```
General structure

int  Default to "1" //Order messages by newest first
```

```
XML-RPC (PHP structure)

[newestmessagesfirst] => int
```

```
REST (POST parameters)

newestmessagesfirst= int
```

Response

?

```
General structure

object {
id int   //The conversation id
name string  Default to "null" //The conversation name, if set
subname string  Default to "null" //A subtitle for the conversation name, if set
imageurl string  Default to "null" //A link to the conversation picture, if set
type int   //The type of the conversation (1=individual,2=group,3=self)
membercount int   //Total number of conversation members
ismuted int   //If the user muted this conversation
isfavourite int   //If the user marked this conversation as a favourite
isread int   //If the user has read all messages in the conversation
unreadcount int  Default to "null" //The number of unread messages in this conversation
members list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)messages list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)candeletemessagesforallusers int  Default to "" //If the user can delete messages in the conversation for all users
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [subname] => string
    [imageurl] => string
    [type] => int
    [membercount] => int
    [ismuted] => int
    [isfavourite] => int
    [isread] => int
    [unreadcount] => int
    [members] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [useridfrom] => int
                    [text] => string
                    [timecreated] => int
                    )
            )
    [candeletemessagesforallusers] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="imageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="membercount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ismuted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="unreadcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="members">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
```


?

```
                            </KEY>
                            <KEY name="requesteduserid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="conversations">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messages">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="useridfrom">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="candeletemessagesforallusers">
        <VALUE>int</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversation_counts ?

Retrieve a list of conversation counts, indexed by type.

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
favourites int   //Total number of favourite conversations
types object {
1 int   //Total number of individual conversations
2 int   //Total number of group conversations
3 int   //Total number of self conversations
}
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [favourites] => int
        [types] =>
            Array
                (
                [1] => int
                [2] => int
                [3] => int
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="favourites">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="types">
            <SINGLE>
                <KEY name="1">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="2">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="3">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversation_members

Retrieve a list of members in a conversation

Arguments

userid (Required)

The id of the user we are performing this action on behalf of

```
General structure

int   //The id of the user we are performing this action on behalf of
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationid (Required)

The id of the conversation

```
General structure

int   //The id of the conversation
```

```
XML-RPC (PHP structure)

[conversationid] => int
```

```
REST (POST parameters)

conversationid= int
```

includecontactrequests (Default to "")

Do we want to include contact requests?

?

```
General structure

int  Default to "" //Do we want to include contact requests?
```

```
XML-RPC (PHP structure)

[includecontactrequests] => int
```

```
REST (POST parameters)

includecontactrequests= int
```

includeprivacyinfo (Default to "")

Do we want to include privacy info?

```
General structure

int  Default to "" //Do we want to include privacy info?
```

```
XML-RPC (PHP structure)

[includeprivacyinfo] => int
```

```
REST (POST parameters)

includeprivacyinfo= int
```

limitfrom (Default to "0")

Limit from

```
General structure

int  Default to "0" //Limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

```
General structure

list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            [isonline] => int
            [showonlinestatus] => int
            [isblocked] => int
            [iscontact] => int
            [isdeleted] => int
            [canmessageevenifblocked] => int
            [canmessage] => int
            [requirescontact] => int
            [contactrequests] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [userid] => int
                            [requesteduserid] => int
                            [timecreated] => int
                            )
                    )
            [conversations] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [type] => int
                            [name] => string
                            [timecreated] => int
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isonline">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showonlinestatus">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isdeleted">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessageevenifblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="requirescontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contactrequests">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="requesteduserid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="conversations">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversation_messages

Retrieve the conversation messages and relevant member information

Arguments

currentuserid (Required)

The current user's id

```
General structure

int   //The current user's id
```

```
XML-RPC (PHP structure)

[currentuserid] => int
```

```
REST (POST parameters)

currentuserid= int
```

convid (Required)

The conversation id

```
General structure

int   //The conversation id
```

```
XML-RPC (PHP structure)

[convid] => int
```

```
REST (POST parameters)

convid= int
```

limitfrom (Default to "0")

Limit from

?

```
General structure

int  Default to "0" //Limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

newest (Default to "")

Newest first?

```
General structure

int  Default to "" //Newest first?
```

```
XML-RPC (PHP structure)

[newest] => int
```

```
REST (POST parameters)

newest= int
```

timefrom (Default to "0")

The timestamp from which the messages were created

```
General structure

int  Default to "0" //The timestamp from which the messages were created
```

```
XML-RPC (PHP structure)

[timefrom] => int
```

```
REST (POST parameters)

timefrom= int
```

Response

?

```
General structure

object {
id int   //The conversation id
members list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)messages list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [members] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [useridfrom] => int
                    [text] => string
                    [timecreated] => int
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="members">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="requesteduserid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="conversations">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useridfrom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_conversations

Retrieve a list of conversations for a user

Arguments

userid (Required)

The id of the user who we are viewing conversations for

```
General structure

int   //The id of the user who we are viewing conversations for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

limitfrom (Default to "0") ?

The offset to start at

```
General structure

int  Default to "0" //The offset to start at
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number of conversations to this

```
General structure

int  Default to "0" //Limit number of conversations to this
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

type (Default to "null")

Filter by type

```
General structure

int  Default to "null" //Filter by type
```

```
XML-RPC (PHP structure)

[type] => int
```

```
REST (POST parameters)

type= int
```

favourites (Default to "null")

Whether to restrict the results to contain NO favourite conversations (false), ONLY favourite conversation (true), or ignore any restriction altogether (null)

```
General structure

int  Default to "null" //Whether to restrict the results to contain NO favourite
                conversations (false), ONLY favourite conversation (true), or ignore any restriction altogether (null)
```

```
XML-RPC (PHP structure)

[favourites] => int
```

```
REST (POST parameters)

favourites= int
```

mergeself (Default to "")

Whether to include self-conversations (true) or ONLY private conversations (false) when private conversations are requested.

?

```
General structure

int  Default to "" //Whether to include self-conversations (true) or ONLY private
                    conversations (false) when private conversations are requested.
```

```
XML-RPC (PHP structure)

[mergeself] => int
```

```
REST (POST parameters)

mergeself= int
```

Response

```
General structure

object {
conversations list of (
object {
id int   //The conversation id
name string  Default to "null" //The conversation name, if set
subname string  Default to "null" //A subtitle for the conversation name, if set
imageurl string  Default to "null" //A link to the conversation picture, if set
type int   //The type of the conversation (1=individual,2=group,3=self)
membercount int   //Total number of conversation members
ismuted int   //If the user muted this conversation
isfavourite int   //If the user marked this conversation as a favourite
isread int   //If the user has read all messages in the conversation
unreadcount int  Default to "null" //The number of unread messages in this conversation
members list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)messages list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)candeletemessagesforallusers int  Default to "" //If the user can delete messages in the conversation for all users
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [conversations] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [subname] => string
                    [imageurl] => string
                    [type] => int
                    [membercount] => int
                    [ismuted] => int
                    [isfavourite] => int
                    [isread] => int
                    [unreadcount] => int
                    [members] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    [profileurl] => string
                                    [profileimageurl] => string
                                    [profileimageurlsmall] => string
                                    [isonline] => int
                                    [showonlinestatus] => int
                                    [isblocked] => int
                                    [iscontact] => int
                                    [isdeleted] => int
                                    [canmessageevenifblocked] => int
                                    [canmessage] => int
                                    [requirescontact] => int
                                    [contactrequests] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [userid] => int
                                                    [requesteduserid] => int
                                                    [timecreated] => int
                                                    )
                                            )
                                    [conversations] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [type] => int
                                                    [name] => string
                                                    [timecreated] => int
                                                    )
                                            )
                                    )
                            )
                    [messages] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [useridfrom] => int
                                    [text] => string
                                    [timecreated] => int
                                    )
                            )
                    [candeletemessagesforallusers] => int
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="conversations">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="subname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="imageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="membercount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ismuted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isfavourite">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="unreadcount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="members">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fullname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileimageurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileimageurlsmall">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isonline">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="showonlinestatus">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isblocked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="iscontact">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isdeleted">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="canmessageevenifblocked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="canmessage">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="requirescontact">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="contactrequests">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="id">
                                                <VALUE>int</VALUE>
```


?

```
                                    </KEY>
                                    <KEY name="userid">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="requesteduserid">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="timecreated">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                        <KEY name="conversations">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="type">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="timecreated">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="messages">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="useridfrom">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="text">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="candeletemessagesforallusers">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
  </KEY>
</SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_message_get_member_info

Retrieve a user message profiles

Arguments

referenceuserid (Required)

id of the user

```
General structure

int   //id of the user
```

```
XML-RPC (PHP structure)

[referenceuserid] => int
```

```
REST (POST parameters)

referenceuserid= int
```

userids (Required)

```
General structure

list of (
int   //id of members to get
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

includecontactrequests (Default to "")

include contact requests in response

```
General structure

int  Default to "" //include contact requests in response
```

```
XML-RPC (PHP structure)

[includecontactrequests] => int
```

```
REST (POST parameters)

includecontactrequests= int
```

includeprivacyinfo (Default to "")

include privacy info in response

?

```
General structure

int  Default to "" //include privacy info in response
```

```
XML-RPC (PHP structure)

[includeprivacyinfo] => int
```

```
REST (POST parameters)

includeprivacyinfo= int
```

Response

```
General structure

list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            [isonline] => int
            [showonlinestatus] => int
            [isblocked] => int
            [iscontact] => int
            [isdeleted] => int
            [canmessageevenifblocked] => int
            [canmessage] => int
            [requirescontact] => int
            [contactrequests] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [userid] => int
                            [requesteduserid] => int
                            [timecreated] => int
                            )
                    )
            [conversations] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [type] => int
                            [name] => string
                            [timecreated] => int
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isonline">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showonlinestatus">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isdeleted">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessageevenifblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="requirescontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contactrequests">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="requesteduserid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="conversations">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_message_processor

Get a message processor

Arguments

userid (Required)

id of the user, 0 for current user

```
General structure

int   //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

name (Required)

The name of the message processor

```
General structure

string   //The name of the message processor
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

Response

?

```
General structure

object {
systemconfigured int   //Site configuration status
userconfigured int   //The user configuration status
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [systemconfigured] => int
        [userconfigured] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="systemconfigured">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userconfigured">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_messages

Retrieve a list of messages sent and received by a user (conversations, notifications or both)

Arguments

useridto (Required)

the user id who received the message, 0 for any user

```
General structure

int   //the user id who received the message, 0 for any user
```

```
XML-RPC (PHP structure)

[useridto] => int
```

?

```
REST (POST parameters)

useridto= int
```

useridfrom (Default to "0")

the user id who send the message, 0 for any user. -10 or -20 for no-reply or support user

```
General structure

int  Default to "0" //the user id who send the message, 0 for any user. -10 or -20 for no-reply or support user
```

```
XML-RPC (PHP structure)

[useridfrom] => int
```

```
REST (POST parameters)

useridfrom= int
```

type (Default to "both")

type of message to return, expected values are: notifications, conversations and both

```
General structure

string  Default to "both" //type of message to return, expected values are: notifications, conversations and both
```

```
XML-RPC (PHP structure)

[type] => string
```

```
REST (POST parameters)

type= string
```

read (Default to "1")

1 for getting read messages, 0 for unread, 2 for both

```
General structure

int  Default to "1" //1 for getting read messages, 0 for unread, 2 for both
```

```
XML-RPC (PHP structure)

[read] => int
```

```
REST (POST parameters)

read= int
```

newestfirst (Default to "1")

true for ordering by newest first, false for oldest first

```
General structure

int  Default to "1" //true for ordering by newest first, false for oldest first
```

```
XML-RPC (PHP structure)

[newestfirst] => int
```

?

```
REST (POST parameters)

newestfirst= int
```

limitfrom (Default to "0")

limit from

```
General structure

int  Default to "0" //limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

limit number

```
General structure

int  Default to "0" //limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

```
General structure

object {
messages list of (
  //message
object {
id int   //Message id
useridfrom int   //User from id
useridto int   //User to id
subject string   //The message subject
text string   //The message text formated
fullmessage string   //The message
fullmessageformat int   //fullmessage format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
fullmessagehtml string   //The message in html
smallmessage string   //The shorten message
notification int   //Is a notification?
contexturl string   //Context URL
contexturlname string   //Context URL link name
timecreated int   //Time created
timeread int   //Time read
usertofullname string   //User to full name
userfromfullname string   //User from full name
component string  Optional //The component that generated the notification
eventtype string  Optional //The type of notification
customdata string  Optional //Custom data to be passed to the message processor.
                              The data here is serialised using json_encode().
iconurl string  Optional //URL for icon, only for notifications.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [useridfrom] => int
                    [useridto] => int
                    [subject] => string
                    [text] => string
                    [fullmessage] => string
                    [fullmessageformat] => int
                    [fullmessagehtml] => string
                    [smallmessage] => string
                    [notification] => int
                    [contexturl] => string
                    [contexturlname] => string
                    [timecreated] => int
                    [timeread] => int
                    [usertofullname] => string
                    [userfromfullname] => string
                    [component] => string
                    [eventtype] => string
                    [customdata] => string
                    [iconurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useridfrom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useridto">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullmessage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullmessageformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullmessagehtml">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="smallmessage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="notification">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contexturl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contexturlname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usertofullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userfromfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="customdata">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="iconurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_received_contact_requests_count

Gets the number of received contact requests

Arguments

userid (Required)

The id of the user we want to return the number of received contact requests for

```
General structure

int   //The id of the user we want to return the number of received contact requests for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

The number of received contact requests

```
General structure

int   //The number of received contact requests
```

```
XML-RPC (PHP structure)

 int
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_self_conversation

Retrieve a self-conversation for a user

Arguments

userid (Required)

The id of the user who we are viewing self-conversations for

```
General structure

int   //The id of the user who we are viewing self-conversations for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

messagelimit (Default to "100")

Limit for number of messages

```
General structure

int  Default to "100" //Limit for number of messages
```

```
XML-RPC (PHP structure)

[messagelimit] => int
```

```
REST (POST parameters)

messagelimit= int
```

?

messageoffset (Default to "0")

Offset for messages list

```
General structure

int  Default to "0" //Offset for messages list
```

```
XML-RPC (PHP structure)

[messageoffset] => int
```

```
REST (POST parameters)

messageoffset= int
```

newestmessagesfirst (Default to "1")

Order messages by newest first

```
General structure

int  Default to "1" //Order messages by newest first
```

```
XML-RPC (PHP structure)

[newestmessagesfirst] => int
```

```
REST (POST parameters)

newestmessagesfirst= int
```

Response

?

```
General structure

object {
id int   //The conversation id
name string  Default to "null" //The conversation name, if set
subname string  Default to "null" //A subtitle for the conversation name, if set
imageurl string  Default to "null" //A link to the conversation picture, if set
type int   //The type of the conversation (1=individual,2=group,3=self)
membercount int   //Total number of conversation members
ismuted int   //If the user muted this conversation
isfavourite int   //If the user marked this conversation as a favourite
isread int   //If the user has read all messages in the conversation
unreadcount int  Default to "null" //The number of unread messages in this conversation
members list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)messages list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)candeletemessagesforallusers int  Default to "" //If the user can delete messages in the conversation for all users
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [subname] => string
    [imageurl] => string
    [type] => int
    [membercount] => int
    [ismuted] => int
    [isfavourite] => int
    [isread] => int
    [unreadcount] => int
    [members] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [useridfrom] => int
                    [text] => string
                    [timecreated] => int
                    )
            )
    [candeletemessagesforallusers] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="subname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="imageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="membercount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ismuted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isread">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="unreadcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="members">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
```


?

```
                            </KEY>
                            <KEY name="requesteduserid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="conversations">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messages">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="useridfrom">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="candeletemessagesforallusers">
        <VALUE>int</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_unread_conversation_counts ?

Retrieve a list of unread conversation counts, indexed by type.

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
favourites int   //Total number of unread favourite conversations
types object {
1 int   //Total number of unread individual conversations
2 int   //Total number of unread group conversations
3 int   //Total number of unread self conversations
}
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [favourites] => int
        [types] =>
            Array
                (
                [1] => int
                [2] => int
                [3] => int
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="favourites">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="types">
            <SINGLE>
                <KEY name="1">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="2">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="3">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_unread_conversations_count

Retrieve the count of unread conversations for a given user

Arguments

useridto (Required)

the user id who received the message, 0 for any user

```
General structure

int   //the user id who received the message, 0 for any user
```

```
XML-RPC (PHP structure)

[useridto] => int
```

```
REST (POST parameters)

useridto= int
```

Response

The count of unread messages for the user

```
General structure

int   //The count of unread messages for the user
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_unread_notification_count

Get number of unread notifications.

Arguments

useridto (Required)

user id who received the notification, 0 for any user

```
General structure

int   //user id who received the notification, 0 for any user
```

```
XML-RPC (PHP structure)

[useridto] => int
```

```
REST (POST parameters)

useridto= int
```

Response

The count of unread notifications.

```
General structure

int   //The count of unread notifications.
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_message_get_user_contacts

Retrieve the contact list

Arguments

userid (Required)

The id of the user who we retrieving the contacts for

```
General structure

int   //The id of the user who we retrieving the contacts for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

limitfrom (Default to "0")

Limit from

```
General structure

int  Default to "0" //Limit from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

?

```
REST (POST parameters)

limitnum= int
```

Response

```
General structure

list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            [isonline] => int
            [showonlinestatus] => int
            [isblocked] => int
            [iscontact] => int
            [isdeleted] => int
            [canmessageevenifblocked] => int
            [canmessage] => int
            [requirescontact] => int
            [contactrequests] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [userid] => int
                            [requesteduserid] => int
                            [timecreated] => int
                            )
                    )
            [conversations] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [type] => int
                            [name] => string
                            [timecreated] => int
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isonline">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showonlinestatus">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isdeleted">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessageevenifblocked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmessage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="requirescontact">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contactrequests">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="requesteduserid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="conversations">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="type">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_user_message_preferences

Get the message preferences for a given user.

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
preferences object {
userid int   //User id
disableall int   //Whether all the preferences are disabled
processors   //Config form values
list of (
object {
displayname string   //Display name
name string   //Processor name
hassettings int   //Whether has settings
contextid int   //Context id
userconfigured int   //Whether is configured by the user
}
)components   //Available components
list of (
object {
displayname string   //Display name
notifications   //List of notificaitons for the component
list of (
object {
displayname string   //Display name
preferencekey string   //Preference key
processors   //Processors values for this notification
list of (
object {
displayname string   //Display name
name string   //Processor name
locked int   //Is locked by admin?
lockedmessage string  Optional //Text to display if locked
userconfigured int   //Is configured?
loggedin   //DEPRECATED ATTRIBUTE -
                                                    Kept for backward compatibility, use enabled instead.
object {
name string   //Name
displayname string   //Display name
checked int   //Is checked?
}
loggedoff   //DEPRECATED ATTRIBUTE -
                                                    Kept for backward compatibility, use enabled instead.
object {
name string   //Name
displayname string   //Display name
checked int   //Is checked?
}
enabled int   //Is enabled?
}
)}
)}
)}
blocknoncontacts int   //Privacy messaging setting to define who can message you
entertosend int   //User preference for using enter to send messages
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [preferences] =>
        Array
            (
            [userid] => int
            [disableall] => int
            [processors] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [displayname] => string
                            [name] => string
                            [hassettings] => int
                            [contextid] => int
                            [userconfigured] => int
                            )
                    )
            [components] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [displayname] => string
                            [notifications] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [displayname] => string
                                            [preferencekey] => string
                                            [processors] =>
                                                Array
                                                    (
                                                    [0] =>
                                                        Array
                                                            (
                                                            [displayname] => string
                                                            [name] => string
                                                            [locked] => int
                                                            [lockedmessage] => string
                                                            [userconfigured] => int
                                                            [loggedin] =>
                                                                Array
                                                                    (
                                                                    [name] => string
                                                                    [displayname] => string
                                                                    [checked] => int
                                                                    )
                                                            [loggedoff] =>
                                                                Array
                                                                    (
                                                                    [name] => string
                                                                    [displayname] => string
                                                                    [checked] => int
                                                                    )
                                                            [enabled] => int
                                                            )
                                                    )
                                            )
                                    )
                            )
                    )
            )
    [blocknoncontacts] => int
    [entertosend] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
```

?

)

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="preferences">
            <SINGLE>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="disableall">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="processors">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="displayname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="hassettings">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="contextid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="userconfigured">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="components">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="displayname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="notifications">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="displayname">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="preferencekey">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="processors">
                                            <MULTIPLE>
                                                <SINGLE>
                                                    <KEY name="displayname">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="name">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="locked">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="lockedmessage">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="userconfigured">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="loggedin">
                                                        <SINGLE>
                                                            <KEY name="name">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="displayname">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="checked">
                                                                <VALUE>int</VALUE>
                                                            </KEY>
                                                        </SINGLE>
                                                    </KEY>
                                                    <KEY name="loggedoff">
                                                        <SINGLE>
                                                            <KEY name="name">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
```


?

```
                                                    <KEY name="displayname">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="checked">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                </SINGLE>
                                            </KEY>
                                            <KEY name="enabled">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
    <KEY name="blocknoncontacts">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="entertosend">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_get_user_notification_preferences

Get the notification preferences for a given user.

?

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
preferences object {
userid int   //User id
disableall int   //Whether all the preferences are disabled
processors   //Config form values
list of (
object {
displayname string   //Display name
name string   //Processor name
hassettings int   //Whether has settings
contextid int   //Context id
userconfigured int   //Whether is configured by the user
}
)components   //Available components
list of (
object {
displayname string   //Display name
notifications   //List of notificaitons for the component
list of (
object {
displayname string   //Display name
preferencekey string   //Preference key
processors   //Processors values for this notification
list of (
object {
displayname string   //Display name
name string   //Processor name
locked int   //Is locked by admin?
lockedmessage string  Optional //Text to display if locked
userconfigured int   //Is configured?
loggedin   //DEPRECATED ATTRIBUTE -
                                                        Kept for backward compatibility, use enabled instead.
object {
name string   //Name
displayname string   //Display name
checked int   //Is checked?
}
loggedoff   //DEPRECATED ATTRIBUTE -
                                                        Kept for backward compatibility, use enabled instead.
object {
name string   //Name
displayname string   //Display name
checked int   //Is checked?
}
enabled int   //Is enabled?
}
)}
)}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [preferences] =>
        Array
            (
            [userid] => int
            [disableall] => int
            [processors] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [displayname] => string
                            [name] => string
                            [hassettings] => int
                            [contextid] => int
                            [userconfigured] => int
                            )
                    )
            [components] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [displayname] => string
                            [notifications] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [displayname] => string
                                            [preferencekey] => string
                                            [processors] =>
                                                Array
                                                    (
                                                    [0] =>
                                                        Array
                                                            (
                                                            [displayname] => string
                                                            [name] => string
                                                            [locked] => int
                                                            [lockedmessage] => string
                                                            [userconfigured] => int
                                                            [loggedin] =>
                                                                Array
                                                                    (
                                                                    [name] => string
                                                                    [displayname] => string
                                                                    [checked] => int
                                                                    )
                                                            [loggedoff] =>
                                                                Array
                                                                    (
                                                                    [name] => string
                                                                    [displayname] => string
                                                                    [checked] => int
                                                                    )
                                                            [enabled] => int
                                                            )
                                                    )
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="preferences">
            <SINGLE>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="disableall">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="processors">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="displayname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="hassettings">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="contextid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="userconfigured">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="components">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="displayname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="notifications">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="displayname">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="preferencekey">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="processors">
                                            <MULTIPLE>
                                                <SINGLE>
                                                    <KEY name="displayname">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="name">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="locked">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="lockedmessage">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="userconfigured">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                    <KEY name="loggedin">
                                                        <SINGLE>
                                                            <KEY name="name">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="displayname">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="checked">
                                                                <VALUE>int</VALUE>
                                                            </KEY>
                                                        </SINGLE>
                                                    </KEY>
                                                    <KEY name="loggedoff">
                                                        <SINGLE>
                                                            <KEY name="name">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
```


?

```
                                                    <KEY name="displayname">
                                                        <VALUE>string</VALUE>
                                                    </KEY>
                                                    <KEY name="checked">
                                                        <VALUE>int</VALUE>
                                                    </KEY>
                                                </SINGLE>
                                            </KEY>
                                            <KEY name="enabled">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_message_mark_all_conversation_messages_as_read

Mark all conversation messages as read for a given user

Arguments

userid (Required)

The user id who who we are marking the messages as read for

?

```
General structure

int   //The user id who who we are marking the messages as read for
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationid (Required)

The conversation id who who we are marking the messages as read for

```
General structure

int   //The conversation id who who we are marking the messages as read for
```

```
XML-RPC (PHP structure)

[conversationid] => int
```

```
REST (POST parameters)

conversationid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_mark_all_notifications_as_read

Mark all notifications as read for a given user

Arguments

useridto (Required)

the user id who received the message, 0 for any user

```
General structure

int   //the user id who received the message, 0 for any user
```

?

```
XML-RPC (PHP structure)

[useridto] => int
```

```
REST (POST parameters)

useridto= int
```

useridfrom (Default to "0")

the user id who send the message, 0 for any user. -10 or -20 for no-reply or support user

```
General structure

int  Default to "0" //the user id who send the message, 0 for any user. -10 or -20 for no-reply or support user
```

```
XML-RPC (PHP structure)

[useridfrom] => int
```

```
REST (POST parameters)

useridfrom= int
```

timecreatedto (Default to "0")

mark messages created before this time as read, 0 for all messages

```
General structure

int  Default to "0" //mark messages created before this time as read, 0 for all messages
```

```
XML-RPC (PHP structure)

[timecreatedto] => int
```

```
REST (POST parameters)

timecreatedto= int
```

Response

True if the messages were marked read, false otherwise

```
General structure

int   //True if the messages were marked read, false otherwise
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_mark_message_read

Mark a single message as read, trigger message_viewed event.

Arguments

messageid (Required)

id of the message in the messages table

```
General structure

int   //id of the message in the messages table
```

```
XML-RPC (PHP structure)

[messageid] => int
```

```
REST (POST parameters)

messageid= int
```

timeread (Default to "0")

timestamp for when the message should be marked read

```
General structure

int  Default to "0" //timestamp for when the message should be marked read
```

```
XML-RPC (PHP structure)

[timeread] => int
```

```
REST (POST parameters)

timeread= int
```

Response

?

General structure

```
object {
messageid int   //the id of the message in the messages table
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [messageid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_message_mark_notification_read

Mark a single notification as read, trigger notification_viewed event.

Arguments
notificationid (Required)

id of the notification

```
General structure

int   //id of the notification
```

```
XML-RPC (PHP structure)

[notificationid] => int
```

```
REST (POST parameters)

notificationid= int
```

timeread (Default to "0")

timestamp for when the notification should be marked read

```
General structure

int  Default to "0" //timestamp for when the notification should be marked read
```

```
XML-RPC (PHP structure)

[timeread] => int
```

```
REST (POST parameters)

timeread= int
```

Response

```
General structure

object {
notificationid int   //id of the notification
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [notificationid] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="notificationid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_message_processor_config_form

Process the message processor config form

?

Arguments

userid (Required)

id of the user, 0 for current user

```
General structure

int   //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

name (Required)

The name of the message processor

```
General structure

string   //The name of the message processor
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

formvalues (Required)

Config form values

```
General structure

  //Config form values
list of (
object {
name string   //name of the form element
value string   //value of the form element
}
)
```

```
XML-RPC (PHP structure)

[formvalues] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

formvalues[0][name]= string
formvalues[0][value]= string
```

Response

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_message_search_users

Retrieve the data for searching for people

Arguments

userid (Required)

The id of the user who is performing the search

```
General structure

int   //The id of the user who is performing the search
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

search (Required)

The string being searched

```
General structure

string   //The string being searched
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

limitfrom (Default to "0")

Limit from

```
General structure

int  Default to "0" //Limit from
```

?

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "0")

Limit number

```
General structure

int  Default to "0" //Limit number
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

```
General structure

object {
contacts list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)noncontacts list of (
object {
id int   //The user id
fullname string   //The user's name
profileurl string   //The link to the user's profile page
profileimageurl string   //User picture URL
profileimageurlsmall string   //Small user picture URL
isonline int   //The user's online status
showonlinestatus int   //Show the user's online status?
isblocked int   //If the user has been blocked
iscontact int   //Is the user a contact?
isdeleted int   //Is the user deleted?
canmessageevenifblocked int   //If the user can still message even if they get blocked
canmessage int   //If the user can be messaged
requirescontact int   //If the user requires to be contacts
contactrequests  Optional //The contact requests
list of (
object {
id int   //The id of the contact request
userid int   //The id of the user who created the contact request
requesteduserid int   //The id of the user confirming the request
timecreated int   //The timecreated timestamp for the contact request
}
)conversations  Optional //Conversations between users
list of (
 Optional //information about conversation
object {
id int   //Conversations id
type int   //Conversation type: private or public
name string   //Multilang compatible conversation name2
timecreated int   //The timecreated timestamp for the conversation
}
)}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [contacts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                    )
            )
    [noncontacts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [isonline] => int
                    [showonlinestatus] => int
                    [isblocked] => int
                    [iscontact] => int
                    [isdeleted] => int
                    [canmessageevenifblocked] => int
                    [canmessage] => int
                    [requirescontact] => int
                    [contactrequests] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [requesteduserid] => int
                                    [timecreated] => int
                                    )
                            )
                    [conversations] =>
                        Array
                            (
                            [0] =>
```

?

```
                                Array
                                    (
                                    [id] => int
                                    [type] => int
                                    [name] => string
                                    [timecreated] => int
                                    )
                            )
                        )
                    )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="contacts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="requesteduserid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="conversations">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
```


?

```
        </KEY>
        <KEY name="noncontacts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isonline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showonlinestatus">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessageevenifblocked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmessage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requirescontact">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contactrequests">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="requesteduserid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="conversations">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_mute_conversations

Mutes a list of conversations

Arguments

userid (Required)

The id of the user who is blocking

```
General structure

int   //The id of the user who is blocking
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationids (Required)

```
General structure

list of (
int   //id of the conversation
)
```

```
XML-RPC (PHP structure)

[conversationids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

conversationids[0]= int
```

?

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_search_contacts ?

Search for contacts

Arguments

searchtext (Required)

String the user's fullname has to match to be found

```
General structure

string   //String the user's fullname has to match to be found
```

```
XML-RPC (PHP structure)

[searchtext] => string
```

```
REST (POST parameters)

searchtext= string
```

onlymycourses (Default to "")

Limit search to the user's courses

```
General structure

int  Default to "" //Limit search to the user's courses
```

```
XML-RPC (PHP structure)

[onlymycourses] => int
```

```
REST (POST parameters)

onlymycourses= int
```

Response

List of contacts

```
General structure

  //List of contacts
list of (
object {
id int   //User ID
fullname string   //User full name
profileimageurl string  Optional //User picture URL
profileimageurlsmall string  Optional //Small user picture URL
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [fullname] => string
                [profileimageurl] => string
                [profileimageurlsmall] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_message_send_instant_messages

Send instant messages

Arguments

messages (Required)

```
General structure

list of (
object {
touserid int   //id of the user to send the private message
text string   //the text of the message
textformat int  Default to "0" //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
clientmsgid string  Optional //your own client id for the message. If this id is provided, the fail message id will be returned to you
}
)
```

?

```
XML-RPC (PHP structure)

[messages] =>
    Array
        (
        [0] =>
            Array
                (
                [touserid] => int
                [text] => string
                [textformat] => int
                [clientmsgid] => string
                )
        )
```

```
REST (POST parameters)

messages[0][touserid]= int
messages[0][text]= string
messages[0][textformat]= int
messages[0][clientmsgid]= string
```

Response

```
General structure

list of (
object {
msgid int   //test this to know if it succeeds:  id of the created message if it succeeded, -1 when failed
clientmsgid string  Optional //your own id for the message
errormessage string  Optional //error message - if it failed
text string  Optional //The text of the message
timecreated int  Optional //The timecreated timestamp for the message
conversationid int  Optional //The conversation id for this message
useridfrom int  Optional //The user id who sent the message
candeletemessagesforallusers int  Default to "" //If the user can delete messages in the conversation for all users
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [msgid] => int
                [clientmsgid] => string
                [errormessage] => string
                [text] => string
                [timecreated] => int
                [conversationid] => int
                [useridfrom] => int
                [candeletemessagesforallusers] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="msgid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="clientmsgid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="errormessage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="text">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="conversationid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="useridfrom">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="candeletemessagesforallusers">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_send_messages_to_conversation

Send messages to an existing conversation between users

Arguments

conversationid (Required)

id of the conversation

```
General structure

int   //id of the conversation
```

```
XML-RPC (PHP structure)

[conversationid] => int
```

?

```
REST (POST parameters)

conversationid= int
```

messages (Required)

```
General structure

list of (
object {
text string   //the text of the message
textformat int  Default to "0" //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)
```

```
XML-RPC (PHP structure)

[messages] =>
    Array
        (
        [0] =>
            Array
                (
                [text] => string
                [textformat] => int
                )
        )
```

```
REST (POST parameters)

messages[0][text]= string
messages[0][textformat]= int
```

Response

```
General structure

list of (
object {
id int   //The id of the message
useridfrom int   //The id of the user who sent the message
text string   //The text of the message
timecreated int   //The timecreated timestamp for the message
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [useridfrom] => int
                [text] => string
                [timecreated] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="useridfrom">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="text">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_set_favourite_conversations

Mark a conversation or group of conversations as favourites/starred conversations.

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversations (Required)

?

```
General structure

list of (
int  Default to "0" //id of the conversation
)
```

```
XML-RPC (PHP structure)

[conversations] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

conversations[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_unblock_user

Unblocks a user

Arguments

userid (Required)

The id of the user who is unblocking

```
General structure

int   //The id of the user who is unblocking
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

unblockeduserid (Required)

The id of the user being unblocked

```
General structure

int   //The id of the user being unblocked
```

```
XML-RPC (PHP structure)

[unblockeduserid] => int
```

```
REST (POST parameters)

unblockeduserid= int
```

Response

list of warnings

?

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_unmute_conversations

Unmutes a list of conversations ?

Arguments

userid (Required)

The id of the user who is unblocking

```
General structure

int   //The id of the user who is unblocking
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversationids (Required)

```
General structure

list of (
int   //id of the conversation
)
```

```
XML-RPC (PHP structure)

[conversationids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

conversationids[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_message_unset_favourite_conversations

Unset a conversation or group of conversations as favourites/starred conversations.

Arguments

userid (Default to "0")

id of the user, 0 for current user

```
General structure

int  Default to "0" //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

conversations (Required)

?

```
General structure

list of (
int  Default to "0" //id of the conversation
)
```

```
XML-RPC (PHP structure)

[conversations] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

conversations[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_moodlenet_auth_check

Check a user has authorized for a given MoodleNet site

Arguments

issuerid (Required)

OAuth 2 issuer ID

```
General structure

int   //OAuth 2 issuer ID
```

```
XML-RPC (PHP structure)

[issuerid] => int
```

```
REST (POST parameters)

issuerid= int
```

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

General structure

```
object {
loginurl string   //Login url
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [loginurl] => string
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="loginurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_moodlenet_get_share_info_activity

Get information about an activity being shared

Arguments

cmid (Required)

The cmid of the activity

```
General structure

int   //The cmid of the activity
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

Response

```
General structure

object {
name string   //Activity name
type string   //Activity type
server string   //MoodleNet server
supportpageurl string   //Support page URL
issuerid int   //MoodleNet issuer id
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [type] => string
    [server] => string
    [supportpageurl] => string
    [issuerid] => int
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="server">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="supportpageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issuerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_moodlenet_get_shared_course_info

Get information about an course being shared

Arguments
courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
name string   //Course short name
type string   //Course type
server string   //MoodleNet server
supportpageurl string   //Support page URL
issuerid int   //MoodleNet issuer id
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [type] => string
    [server] => string
    [supportpageurl] => string
    [issuerid] => int
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="server">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="supportpageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="issuerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_moodlenet_send_activity

Send activity to MoodleNet

Arguments
issuerid (Required)

OAuth 2 issuer ID

```
General structure

int   //OAuth 2 issuer ID
```

```
XML-RPC (PHP structure)

[issuerid] => int
```

```
REST (POST parameters)

issuerid= int
```

cmid (Required)

Course module ID

```
General structure

int   //Course module ID
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

shareformat (Required)

Share format

```
General structure

int   //Share format
```

```
XML-RPC (PHP structure)

[shareformat] => int
```

```
REST (POST parameters)

shareformat= int
```

?

Response

```
General structure

object {
status int   //Status: true if success
resourceurl string   //Resource URL from MoodleNet
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [resourceurl] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="resourceurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_moodlenet_send_course

Send course to MoodleNet

Arguments

issuerid (Required)

OAuth 2 issuer ID

```
General structure

int   //OAuth 2 issuer ID
```

```
XML-RPC (PHP structure)

[issuerid] => int
```

```
REST (POST parameters)

issuerid= int
```

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

shareformat (Required)

Share format

```
General structure

int   //Share format
```

```
XML-RPC (PHP structure)

[shareformat] => int
```

?

```
REST (POST parameters)

shareformat= int
```

cmids (Default to "Array ( ) ")

List for course module ids

```
General structure

 Default to "Array
(
)
" //List for course module ids
list of (
int  Default to "null" //Course module id
)
```

```
XML-RPC (PHP structure)

[cmids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

cmids[0]= int
```

Response

```
General structure

object {
status int   //Status: true if success
resourceurl string   //Resource URL from MoodleNet
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [resourceurl] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="resourceurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_my_view_page

Trigger the My or Dashboard viewed event.

Arguments

page (Required)

My page to trigger a view event

```
General structure

string   //My page to trigger a view event
```

```
XML-RPC (PHP structure)

[page] => string
```

?

```
REST (POST parameters)

page= string
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_notes_create_notes

Create notes

Arguments

notes (Required)

```
General structure

list of (
object {
userid int   //id of the user the note is about
publishstate string   //'personal', 'course' or 'site'
courseid int   //course id of the note (in Moodle a note can only be created into a course, even for site and personal notes)
text string   //the text of the message - text or HTML
format int  Default to "1" //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
clientnoteid string  Optional //your own client id for the note. If this id is provided, the fail message id will be returned to you
}
)
```

```
XML-RPC (PHP structure)

[notes] =>
    Array
        (
        [0] =>
            Array
                (
                [userid] => int
                [publishstate] => string
                [courseid] => int
                [text] => string
                [format] => int
                [clientnoteid] => string
                )
        )
```

```
REST (POST parameters)

notes[0][userid]= int
notes[0][publishstate]= string
notes[0][courseid]= int
notes[0][text]= string
notes[0][format]= int
notes[0][clientnoteid]= string
```

Response

?

```
General structure

list of (
object {
clientnoteid string  Optional //your own id for the note
noteid int   //ID of the created note when successful, -1 when failed
errormessage string  Optional //error message - if failed
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [clientnoteid] => string
                [noteid] => int
                [errormessage] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="clientnoteid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="noteid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="errormessage">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_notes_delete_notes

Delete notes

Arguments

notes (Required)

Array of Note Ids to be deleted.

?

```
General structure

  //Array of Note Ids to be deleted.
list of (
int   //ID of the note to be deleted
)
```

```
XML-RPC (PHP structure)

[notes] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

notes[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'note'
itemid int  Optional //When errorcode is savedfailed the note could not be modified.When errorcode is badparam, an incorrect parameter was provided.When errorcode is badid, the note does not exist
warningcode string   //errorcode can be badparam (incorrect parameter), savedfailed (could not be modified), or badid (note does not exist)
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_notes_get_course_notes

Returns all notes in specified course (or site), for the specified user.

Arguments

courseid (Required)

course id, 0 for SITE

```
General structure

int   //course id, 0 for SITE
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

user id

```
General structure

int  Default to "0" //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

notes

?

```
General structure

  //notes
object {
sitenotes  Optional //site notes
list of (
object {
id int   //id of this note
courseid int   //id of the course
userid int   //user id
content string   //the content text formated
format int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
created int   //time created (timestamp)
lastmodified int   //time of last modification (timestamp)
usermodified int   //user id of the creator of this note
publishstate string   //state of the note (i.e. draft, public, site)
}
)coursenotes  Optional //couse notes
list of (
object {
id int   //id of this note
courseid int   //id of the course
userid int   //user id
content string   //the content text formated
format int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
created int   //time created (timestamp)
lastmodified int   //time of last modification (timestamp)
usermodified int   //user id of the creator of this note
publishstate string   //state of the note (i.e. draft, public, site)
}
)personalnotes  Optional //personal notes
list of (
object {
id int   //id of this note
courseid int   //id of the course
userid int   //user id
content string   //the content text formated
format int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
created int   //time created (timestamp)
lastmodified int   //time of last modification (timestamp)
usermodified int   //user id of the creator of this note
publishstate string   //state of the note (i.e. draft, public, site)
}
)canmanagesystemnotes int  Optional //Whether the user can manage notes at system level.
canmanagecoursenotes int  Optional //Whether the user can manage notes at the given course.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [sitenotes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [courseid] => int
                    [userid] => int
                    [content] => string
                    [format] => int
                    [created] => int
                    [lastmodified] => int
                    [usermodified] => int
                    [publishstate] => string
                    )
            )
    [coursenotes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [courseid] => int
                    [userid] => int
                    [content] => string
                    [format] => int
                    [created] => int
                    [lastmodified] => int
                    [usermodified] => int
                    [publishstate] => string
                    )
            )
    [personalnotes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [courseid] => int
                    [userid] => int
                    [content] => string
                    [format] => int
                    [created] => int
                    [lastmodified] => int
                    [usermodified] => int
                    [publishstate] => string
                    )
            )
    [canmanagesystemnotes] => int
    [canmanagecoursenotes] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="sitenotes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastmodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="publishstate">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="coursenotes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastmodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="publishstate">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="personalnotes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastmodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="publishstate">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canmanagesystemnotes">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagecoursenotes">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_notes_get_notes

Get notes

Arguments

?

notes (Required)

Array of Note Ids to be retrieved.

```
General structure

  //Array of Note Ids to be retrieved.
list of (
int   //ID of the note to be retrieved
)
```

```
XML-RPC (PHP structure)

[notes] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

notes[0]= int
```

Response

```
General structure

object {
notes list of (
  //note
object {
noteid int  Optional //id of the note
userid int  Optional //id of the user the note is about
publishstate string  Optional //'personal', 'course' or 'site'
courseid int  Optional //course id of the note
text string  Optional //the text of the message - text or HTML
format int  Optional //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'note'
itemid int  Optional //When errorcode is savedfailed the note could not be modified.When errorcode is badparam, an incorrect parameter was provided.When errorcode is
badid, the note does not exist
warningcode string   //errorcode can be badparam (incorrect parameter), savedfailed (could not be modified), or badid (note does not exist)
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [notes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [noteid] => int
                    [userid] => int
                    [publishstate] => string
                    [courseid] => int
                    [text] => string
                    [format] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="notes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="noteid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="publishstate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="format">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_notes_update_notes

Update notes

Arguments

notes (Default to "Array ( ) ")

Array of Notes

```
General structure

 Default to "Array
(
)
" //Array of Notes
list of (
object {
id int   //id of the note
publishstate string   //'personal', 'course' or 'site'
text string   //the text of the message - text or HTML
format int  Default to "1" //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)
```

```
XML-RPC (PHP structure)

[notes] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [publishstate] => string
                [text] => string
                [format] => int
                )
        )
```

```
REST (POST parameters)

notes[0][id]= int
notes[0][publishstate]= string
notes[0][text]= string
notes[0][format]= int
```

Response

?

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'note'
itemid int  Optional //When errorcode is savedfailed the note could not be modified.When errorcode is badparam, an incorrect parameter was provided.When errorcode is badid, the note does not exist
warningcode string   //errorcode can be badparam (incorrect parameter), savedfailed (could not be modified), or badid (note does not exist)
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_notes_view_notes ?

Simulates the web interface view of notes/index.php: trigger events.

Arguments

courseid (Required)

course id, 0 for notes at system level

```
General structure

int   //course id, 0 for notes at system level
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

user id, 0 means view all the user notes

```
General structure

int  Default to "0" //user id, 0 means view all the user notes
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_output_load_fontawesome_icon_map Deprecated

Load the mapping of names to icons

?

Arguments

Response

```
General structure

list of (
object {
component string   //The component for the icon.
pix string   //Value to map the icon from.
to string   //Value to map the icon to.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [component] => string
                [pix] => string
                [to] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="pix">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="to">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_output_load_fontawesome_icon_system_map

Load the mapping of moodle pix names to fontawesome icon names

?

Arguments

themename (Required)

The theme to fetch the map for

```
General structure

string   //The theme to fetch the map for
```

```
XML-RPC (PHP structure)

[themename] => string
```

```
REST (POST parameters)

themename= string
```

Response

```
General structure

list of (
object {
component string   //The component for the icon.
pix string   //Value to map the icon from.
to string   //Value to map the icon to.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [component] => string
                [pix] => string
                [to] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="pix">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="to">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_output_load_template

Load a template for a renderable

Arguments

component (Required)

component containing the template

```
General structure

string   //component containing the template
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

template (Required)

name of the template

```
General structure

string   //name of the template
```

```
XML-RPC (PHP structure)

[template] => string
```

```
REST (POST parameters)

template= string
```

themename (Required)

The current theme.

```
General structure

string   //The current theme.
```

```
XML-RPC (PHP structure)

[themename] => string
```

?

```
REST (POST parameters)

themename= string
```

includecomments (Default to "")

Include comments or not

```
General structure

int  Default to "" //Include comments or not
```

```
XML-RPC (PHP structure)

[includecomments] => int
```

```
REST (POST parameters)

includecomments= int
```

Response

template

```
General structure

string   //template
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_output_load_template_with_dependencies

Load a template and its dependencies for a renderable ?

Arguments

component (Required)

component containing the template

```
General structure

string   //component containing the template
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

template (Required)

name of the template

```
General structure

string   //name of the template
```

```
XML-RPC (PHP structure)

[template] => string
```

```
REST (POST parameters)

template= string
```

themename (Required)

The current theme.

```
General structure

string   //The current theme.
```

```
XML-RPC (PHP structure)

[themename] => string
```

```
REST (POST parameters)

themename= string
```

includecomments (Default to "")

Include comments or not

```
General structure

int  Default to "" //Include comments or not
```

```
XML-RPC (PHP structure)

[includecomments] => int
```

```
REST (POST parameters)

includecomments= int
```

?

lang (Default to "null")

lang

```
General structure

string  Default to "null" //lang
```

```
XML-RPC (PHP structure)

[lang] => string
```

```
REST (POST parameters)

lang= string
```

Response

```
General structure

object {
templates list of (
object {
component string   //component containing the resource
name string   //name of the resource
value string   //resource value
}
)strings list of (
object {
component string   //component containing the resource
name string   //name of the resource
value string   //resource value
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [templates] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [component] => string
                        [name] => string
                        [value] => string
                        )
                )
        [strings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [component] => string
                        [name] => string
                        [value] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templates">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="strings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

core_payment_get_available_gateways

Get the list of payment gateways that support the given component/area

Arguments

component (Required)

Component

```
General structure

string   //Component
```

?

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

paymentarea (Required)

Payment area in the component

```
General structure

string   //Payment area in the component
```

```
XML-RPC (PHP structure)

[paymentarea] => string
```

```
REST (POST parameters)

paymentarea= string
```

itemid (Required)

An identifier for payment area in the component

```
General structure

int   //An identifier for payment area in the component
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

Response

```
General structure

list of (
object {
shortname string   //Name of the plugin
name string   //Human readable name of the gateway
description string   //description of the gateway
surcharge int   //percentage of surcharge when using the gateway
cost string   //Cost in human-readable form (amount plus surcharge with currency sign)
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [shortname] => string
                [name] => string
                [description] => string
                [surcharge] => int
                [cost] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="surcharge">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cost">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_question_get_random_question_summaries

Get the random question set for a criteria

Arguments

categoryid (Required)

Category id to find random questions

```
General structure

int   //Category id to find random questions
```

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

includesubcategories (Required) ?

Include the subcategories in the search

```
General structure

int   //Include the subcategories in the search
```

```
XML-RPC (PHP structure)

[includesubcategories] => int
```

```
REST (POST parameters)

includesubcategories= int
```

tagids (Required)

```
General structure

list of (
int   //Tag id
)
```

```
XML-RPC (PHP structure)

[tagids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

tagids[0]= int
```

contextid (Required)

Context id that the questions will be rendered in (used for exporting)

```
General structure

int   //Context id that the questions will be rendered in (used for exporting)
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

limit (Default to "0")

Maximum number of results to return

```
General structure

int  Default to "0" //Maximum number of results to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

?

offset (Default to "0")

Number of items to skip from the begging of the result set

```
General structure

int  Default to "0" //Number of items to skip from the begging of the result set
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

Response

```
General structure

object {
totalcount int   //total number of questions in result set
questions list of (
object {
id int   //id
category int   //category
parent int   //parent
name string   //name
qtype string   //qtype
icon object {
key string   //key
component string   //component
alttext string   //alttext
}
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [totalcount] => int
        [questions] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [category] => int
                        [parent] => int
                        [name] => string
                        [qtype] => string
                        [icon] =>
                            Array
                                (
                                [key] => string
                                [component] => string
                                [alttext] => string
                                )
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="totalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="questions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="category">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parent">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="qtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="icon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="alttext">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_question_submit_tags_form Deprecated

Update the question tags.

Arguments

questionid (Required) ?

The question id

```
General structure

int   //The question id
```

```
XML-RPC (PHP structure)

[questionid] => int
```

```
REST (POST parameters)

questionid= int
```

contextid (Required)

The editing context id

```
General structure

int   //The editing context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

formdata (Required)

The data from the tag form

```
General structure

string   //The data from the tag form
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
status int   //status: true if success
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_question_update_flag

Update the flag state of a question attempt.

Arguments

qubaid (Required)

the question usage id.

```
General structure

int   //the question usage id.
```

```
XML-RPC (PHP structure)

[qubaid] => int
```

```
REST (POST parameters)

qubaid= int
```

questionid (Required)

the question id

```
General structure

int   //the question id
```

```
XML-RPC (PHP structure)

[questionid] => int
```

?

```
REST (POST parameters)

questionid= int
```

qaid (Required)

the question_attempt id

```
General structure

int   //the question_attempt id
```

```
XML-RPC (PHP structure)

[qaid] => int
```

```
REST (POST parameters)

qaid= int
```

slot (Required)

the slot number within the usage

```
General structure

int   //the slot number within the usage
```

```
XML-RPC (PHP structure)

[slot] => int
```

```
REST (POST parameters)

slot= int
```

checksum (Required)

computed checksum with the last three arguments and the users username

```
General structure

string   //computed checksum with the last three arguments and
                              the users username
```

```
XML-RPC (PHP structure)

[checksum] => string
```

```
REST (POST parameters)

checksum= string
```

newstate (Required)

the new state of the flag. true = flagged

```
General structure

int   //the new state of the flag. true = flagged
```

```
XML-RPC (PHP structure)

[newstate] => int
```

?

```
REST (POST parameters)

newstate= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_rating_add_rating

Rates an item.

Arguments

contextlevel (Required)

context level: course, module, user, etc...

```
General structure

string   //context level: course, module, user, etc...
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Required)

the instance id of item associated with the context level

```
General structure

int   //the instance id of item associated with the context level
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

?

```
REST (POST parameters)

component= string
```

ratingarea (Required)

rating area

```
General structure

string   //rating area
```

```
XML-RPC (PHP structure)

[ratingarea] => string
```

```
REST (POST parameters)

ratingarea= string
```

itemid (Required)

associated id

```
General structure

int   //associated id
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

scaleid (Required)

scale id

```
General structure

int   //scale id
```

```
XML-RPC (PHP structure)

[scaleid] => int
```

```
REST (POST parameters)

scaleid= int
```

rating (Required)

user rating

```
General structure

int   //user rating
```

```
XML-RPC (PHP structure)

[rating] => int
```

?

```
REST (POST parameters)

rating= int
```

rateduserid (Required)

rated user id

```
General structure

int   //rated user id
```

```
XML-RPC (PHP structure)

[rateduserid] => int
```

```
REST (POST parameters)

rateduserid= int
```

aggregation (Default to "0")

agreggation method

```
General structure

int  Default to "0" //agreggation method
```

```
XML-RPC (PHP structure)

[aggregation] => int
```

```
REST (POST parameters)

aggregation= int
```

Response

```
General structure

object {
success int   //Whether the rate was successfully created
aggregate string  Optional //New aggregate
count int  Optional //Ratings count
itemid int  Optional //Rating item id
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [success] => int
    [aggregate] => string
    [count] => int
    [itemid] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="aggregate">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes ?

Callable from AJAX

No

core_rating_get_item_ratings

Retrieve all the ratings for an item.

Arguments

contextlevel (Required)

context level: course, module, user, etc...

```
General structure

string   //context level: course, module, user, etc...
```

```
XML-RPC (PHP structure)

[contextlevel] => string
```

```
REST (POST parameters)

contextlevel= string
```

instanceid (Required)

the instance id of item associated with the context level

```
General structure

int   //the instance id of item associated with the context level
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

component (Required)

component

```
General structure

string   //component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

ratingarea (Required)

rating area

```
General structure

string   //rating area
```

?

```
XML-RPC (PHP structure)

[ratingarea] => string
```

```
REST (POST parameters)

ratingarea= string
```

itemid (Required)

associated id

```
General structure

int   //associated id
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

scaleid (Required)

scale id

```
General structure

int   //scale id
```

```
XML-RPC (PHP structure)

[scaleid] => int
```

```
REST (POST parameters)

scaleid= int
```

sort (Required)

sort order (firstname, rating or timemodified)

```
General structure

string   //sort order (firstname, rating or timemodified)
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

Response

?

```
General structure

object {
ratings   //List of ratings
list of (
  //Rating
object {
id int   //rating id
userid int   //user id
userpictureurl string   //URL user picture
userfullname string   //user fullname
rating string   //rating on scale
timemodified int   //time modified (timestamp)
}
)warnings  Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [ratings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [userid] => int
                        [userpictureurl] => string
                        [userfullname] => string
                        [rating] => string
                        [timemodified] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_reportbuilder_audiences_delete

Delete audience from report

?

Arguments

reportid (Required)

Report id

```
General structure

int   //Report id
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

instanceid (Required)

Audience instance id

```
General structure

int   //Audience instance id
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

Response

```
General structure

int
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

?

Yes

Callable from AJAX

Yes

core_reportbuilder_can_view_system_report

Determine access to a system report

Arguments

source (Required)

Report class path

```
General structure

string   //Report class path
```

```
XML-RPC (PHP structure)

[source] => string
```

```
REST (POST parameters)

source= string
```

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

component (Default to "")

Report component

```
General structure

string  Default to "" //Report component
```

```
XML-RPC (PHP structure)

[component] => string
```

?

```
REST (POST parameters)

component= string
```

area (Default to "")

Report area

```
General structure

string  Default to "" //Report area
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

itemid (Default to "0")

Report item ID

```
General structure

int  Default to "0" //Report item ID
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

parameters (Default to "Array ( ) ")

Report parameters

```
General structure

 Default to "Array
(
)
" //Report parameters
list of (
object {
name string value string }
)
```

```
XML-RPC (PHP structure)

[parameters] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

parameters[0][name]= string
parameters[0][value]= string
```

?

Response

```
General structure

int
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_reportbuilder_columns_add

Add column to report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

uniqueidentifier (Required)

Unique identifier of the column

```
General structure

string   //Unique identifier of the column
```

?

```
XML-RPC (PHP structure)

[uniqueidentifier] => string
```

```
REST (POST parameters)

uniqueidentifier= string
```

Response

```
General structure

object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [hassortablecolumns] => int
        [sortablecolumns] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [title] => string
                        [heading] => string
                        [sortdirection] => int
                        [sortenabled] => int
                        [sortorder] => int
                        [sorticon] =>
                            Array
                                (
                                [key] => string
                                [component] => string
                                [title] => string
                                )
                        [movetitle] => string
                        [sortenabledtitle] => string
                        )
                )
        [helpicon] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortenabledtitle">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_reportbuilder_columns_delete

Delete column from report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

columnid (Required)

Column ID

```
General structure

int   //Column ID
```

```
XML-RPC (PHP structure)

[columnid] => int
```

```
REST (POST parameters)

columnid= int
```

Response

```
General structure

object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [hassortablecolumns] => int
    [sortablecolumns] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [title] => string
                    [heading] => string
                    [sortdirection] => int
                    [sortenabled] => int
                    [sortorder] => int
                    [sorticon] =>
                        Array
                            (
                            [key] => string
                            [component] => string
                            [title] => string
                            )
                    [movetitle] => string
                    [sortenabledtitle] => string
                    )
            )
    [helpicon] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortenabledtitle">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_reportbuilder_columns_reorder

Re-order column within report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

columnid (Required)

Column ID

```
General structure

int   //Column ID
```

```
XML-RPC (PHP structure)

[columnid] => int
```

```
REST (POST parameters)

columnid= int
```

position (Required)

New column position

```
General structure

int   //New column position
```

```
XML-RPC (PHP structure)

[position] => int
```

```
REST (POST parameters)

position= int
```

Response

Success

```
General structure

int   //Success
```

?

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_columns_sort_get

Retrieve column sorting for report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

Response

?

General structure

```
object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
```

XML-RPC (PHP structure)

```
    Array
        (
        [hassortablecolumns] => int
        [sortablecolumns] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [title] => string
                        [heading] => string
                        [sortdirection] => int
                        [sortenabled] => int
                        [sortorder] => int
                        [sorticon] =>
                            Array
                                (
                                [key] => string
                                [component] => string
                                [title] => string
                                )
                        [movetitle] => string
                        [sortenabledtitle] => string
                        )
                )
        [helpicon] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortenabledtitle">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_reportbuilder_columns_sort_reorder

Re-order column sorting within report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

columnid (Required)

Column ID

```
General structure

int   //Column ID
```

```
XML-RPC (PHP structure)

[columnid] => int
```

```
REST (POST parameters)

columnid= int
```

position (Required)

New column sort position

```
General structure

int   //New column sort position
```

```
XML-RPC (PHP structure)

[position] => int
```

```
REST (POST parameters)

position= int
```

Response

?

General structure

```
object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
```

XML-RPC (PHP structure)

```
    Array
        (
        [hassortablecolumns] => int
        [sortablecolumns] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [title] => string
                        [heading] => string
                        [sortdirection] => int
                        [sortenabled] => int
                        [sortorder] => int
                        [sorticon] =>
                            Array
                                (
                                [key] => string
                                [component] => string
                                [title] => string
                                )
                        [movetitle] => string
                        [sortenabledtitle] => string
                        )
                )
        [helpicon] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortenabledtitle">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_reportbuilder_columns_sort_toggle

Toggle sorting of column within report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

columnid (Required)

Column ID

```
General structure

int   //Column ID
```

```
XML-RPC (PHP structure)

[columnid] => int
```

```
REST (POST parameters)

columnid= int
```

enabled (Required)

Sort enabled

```
General structure

int   //Sort enabled
```

```
XML-RPC (PHP structure)

[enabled] => int
```

```
REST (POST parameters)

enabled= int
```

direction (Default to "4")

Sort direction

```
General structure

int  Default to "4" //Sort direction
```

```
XML-RPC (PHP structure)

[direction] => int
```

?

```
REST (POST parameters)

direction= int
```

Response

```
General structure

object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [hassortablecolumns] => int
        [sortablecolumns] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [title] => string
                        [heading] => string
                        [sortdirection] => int
                        [sortenabled] => int
                        [sortorder] => int
                        [sorticon] =>
                            Array
                                (
                                [key] => string
                                [component] => string
                                [title] => string
                                )
                        [movetitle] => string
                        [sortenabledtitle] => string
                        )
                )
        [helpicon] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortenabledtitle">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_reportbuilder_conditions_add

Add condition to report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

uniqueidentifier (Required)

Unique identifier of the condition

```
General structure

string   //Unique identifier of the condition
```

```
XML-RPC (PHP structure)

[uniqueidentifier] => string
```

```
REST (POST parameters)

uniqueidentifier= string
```

Response

```
General structure

object {
hasavailableconditions int   //hasavailableconditions
availableconditions   //availableconditions
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactiveconditions int   //hasactiveconditions
activeconditionsform string   //activeconditionsform
helpicon string   //helpicon
javascript string  Optional //javascript
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [hasavailableconditions] => int
    [availableconditions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactiveconditions] => int
    [activeconditionsform] => string
    [helpicon] => string
    [javascript] => string
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailableconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availableconditions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactiveconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activeconditionsform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_conditions_delete

Delete condition from report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

conditionid (Required)

Condition ID

```
General structure

int   //Condition ID
```

```
XML-RPC (PHP structure)

[conditionid] => int
```

```
REST (POST parameters)

conditionid= int
```

Response

?

General structure

```
object {
hasavailableconditions int   //hasavailableconditions
availableconditions   //availableconditions
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactiveconditions int   //hasactiveconditions
activeconditionsform string   //activeconditionsform
helpicon string   //helpicon
javascript string  Optional //javascript
}
```

XML-RPC (PHP structure)

```
Array
    (
    [hasavailableconditions] => int
    [availableconditions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactiveconditions] => int
    [activeconditionsform] => string
    [helpicon] => string
    [javascript] => string
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailableconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availableconditions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactiveconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activeconditionsform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_conditions_reorder

Re-order condition within report

?

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

conditionid (Required)

Condition ID

```
General structure

int   //Condition ID
```

```
XML-RPC (PHP structure)

[conditionid] => int
```

```
REST (POST parameters)

conditionid= int
```

position (Required)

New condition position

```
General structure

int   //New condition position
```

```
XML-RPC (PHP structure)

[position] => int
```

```
REST (POST parameters)

position= int
```

Response

?

General structure

```
object {
hasavailableconditions int   //hasavailableconditions
availableconditions   //availableconditions
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactiveconditions int   //hasactiveconditions
activeconditionsform string   //activeconditionsform
helpicon string   //helpicon
javascript string  Optional //javascript
}
```

XML-RPC (PHP structure)

```
Array
    (
    [hasavailableconditions] => int
    [availableconditions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactiveconditions] => int
    [activeconditionsform] => string
    [helpicon] => string
    [javascript] => string
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailableconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availableconditions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactiveconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activeconditionsform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_conditions_reset

Reset conditions for given report

?

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

Response

```
General structure

object {
hasavailableconditions int   //hasavailableconditions
availableconditions   //availableconditions
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactiveconditions int   //hasactiveconditions
activeconditionsform string   //activeconditionsform
helpicon string   //helpicon
javascript string  Optional //javascript
}
```

```
XML-RPC (PHP structure)

    Array
        (
        [hasavailableconditions] => int
        [availableconditions] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [optiongroup] =>
                            Array
                                (
                                [text] => string
                                [values] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [value] => string
                                                [visiblename] => string
                                                )
                                        )
                                )
                        )
                )
        [hasactiveconditions] => int
        [activeconditionsform] => string
        [helpicon] => string
        [javascript] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailableconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availableconditions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactiveconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activeconditionsform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_filters_add

Add filter to report

?

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

uniqueidentifier (Required)

Unique identifier of the filter

```
General structure

string   //Unique identifier of the filter
```

```
XML-RPC (PHP structure)

[uniqueidentifier] => string
```

```
REST (POST parameters)

uniqueidentifier= string
```

Response

```
General structure

object {
hasavailablefilters int   //hasavailablefilters
availablefilters   //availablefilters
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactivefilters int   //hasactivefilters
activefilters   //activefilters
list of (
object {
id int   //id
heading string   //heading
headingeditable string   //headingeditable
sortorder int   //sortorder
movetitle string   //movetitle
entityname string   //entityname
}
)helpicon string   //helpicon
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [hasavailablefilters] => int
    [availablefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactivefilters] => int
    [activefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [heading] => string
                    [headingeditable] => string
                    [sortorder] => int
                    [movetitle] => string
                    [entityname] => string
                    )
            )
    [helpicon] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailablefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availablefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactivefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="headingeditable">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="entityname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_reportbuilder_filters_delete

Delete filter from report

Arguments
reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

filterid (Required)

Filter ID

```
General structure

int   //Filter ID
```

```
XML-RPC (PHP structure)

[filterid] => int
```

```
REST (POST parameters)

filterid= int
```

Response

?

General structure

```
object {
hasavailablefilters int   //hasavailablefilters
availablefilters   //availablefilters
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactivefilters int   //hasactivefilters
activefilters   //activefilters
list of (
object {
id int   //id
heading string   //heading
headingeditable string   //headingeditable
sortorder int   //sortorder
movetitle string   //movetitle
entityname string   //entityname
}
)helpicon string   //helpicon
}
```

XML-RPC (PHP structure)

```
Array
    (
    [hasavailablefilters] => int
    [availablefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactivefilters] => int
    [activefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [heading] => string
                    [headingeditable] => string
                    [sortorder] => int
                    [movetitle] => string
                    [entityname] => string
                    )
            )
    [helpicon] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailablefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availablefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactivefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="headingeditable">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="entityname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_reportbuilder_filters_reorder

Re-order filter within report

Arguments
reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

filterid (Required)

Filter ID

```
General structure

int   //Filter ID
```

```
XML-RPC (PHP structure)

[filterid] => int
```

```
REST (POST parameters)

filterid= int
```

position (Required)

New filter position

```
General structure

int   //New filter position
```

```
XML-RPC (PHP structure)

[position] => int
```

```
REST (POST parameters)

position= int
```

Response ?

General structure

```
object {
hasavailablefilters int   //hasavailablefilters
availablefilters   //availablefilters
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactivefilters int   //hasactivefilters
activefilters   //activefilters
list of (
object {
id int   //id
heading string   //heading
headingeditable string   //headingeditable
sortorder int   //sortorder
movetitle string   //movetitle
entityname string   //entityname
}
)helpicon string   //helpicon
}
```

XML-RPC (PHP structure)

```
Array
    (
    [hasavailablefilters] => int
    [availablefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [optiongroup] =>
                        Array
                            (
                            [text] => string
                            [values] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => string
                                            [visiblename] => string
                                            )
                                    )
                            )
                    )
            )
    [hasactivefilters] => int
    [activefilters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [heading] => string
                    [headingeditable] => string
                    [sortorder] => int
                    [movetitle] => string
                    [entityname] => string
                    )
            )
    [helpicon] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasavailablefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availablefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactivefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="headingeditable">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="entityname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

core_reportbuilder_filters_reset

Reset filters for given report

Arguments
reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

parameters (Default to "")

JSON encoded report parameters

```
General structure

string  Default to "" //JSON encoded report parameters
```

```
XML-RPC (PHP structure)

[parameters] => string
```

```
REST (POST parameters)

parameters= string
```

Response
Success

```
General structure

int   //Success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_list_reports

List custom reports for current user

Arguments

page (Default to "0")

Page number

```
General structure

int  Default to "0" //Page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "10")

Reports per page

```
General structure

int  Default to "10" //Reports per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
reports list of (
object {
name string   //name
source string   //source
type int   //type
uniquerows int   //uniquerows
conditiondata string   //conditiondata
settingsdata string   //settingsdata
contextid int   //contextid
component string   //component
area string   //area
itemid int   //itemid
usercreated int   //usercreated
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
sourcename string   //sourcename
modifiedby object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [reports] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [source] => string
                    [type] => int
                    [uniquerows] => int
                    [conditiondata] => string
                    [settingsdata] => string
                    [contextid] => int
                    [component] => string
                    [area] => string
                    [itemid] => int
                    [usercreated] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [sourcename] => string
                    [modifiedby] =>
                        Array
                            (
                            [id] => int
                            [email] => string
                            [idnumber] => string
                            [phone1] => string
                            [phone2] => string
                            [department] => string
                            [institution] => string
                            [fullname] => string
                            [identity] => string
                            [profileurl] => string
                            [profileimageurl] => string
                            [profileimageurlsmall] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="reports">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="source">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uniquerows">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="conditiondata">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="settingsdata">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="area">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usercreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sourcename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="modifiedby">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="email">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="idnumber">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="phone1">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="phone2">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="department">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="institution">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="identity">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
                        <KEY name="profileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileimageurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileimageurlsmall">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_reportbuilder_reports_delete

Delete report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

?

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

Response

Success

```
General structure

int   //Success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_reports_get

Get custom report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

?

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

editmode (Default to "0")

Whether editing mode is enabled

```
General structure

int  Default to "0" //Whether editing mode is enabled
```

```
XML-RPC (PHP structure)

[editmode] => int
```

```
REST (POST parameters)

editmode= int
```

pagesize (Default to "0")

Page size

```
General structure

int  Default to "0" //Page size
```

```
XML-RPC (PHP structure)

[pagesize] => int
```

```
REST (POST parameters)

pagesize= int
```

Response

?

```
General structure

object {
name string   //name
source string   //source
type int   //type
uniquerows int   //uniquerows
conditiondata string   //conditiondata
settingsdata string   //settingsdata
contextid int   //contextid
component string   //component
area string   //area
itemid int   //itemid
usercreated int   //usercreated
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
table string   //table
filtersapplied int   //filtersapplied
filterspresent int   //filterspresent
filtersform string   //filtersform
attributes   //attributes
list of (
object {
name string   //name
value string   //value
}
)classes string   //classes
editmode int   //editmode
sidebarmenucards object {
menucards  Optional //menucards
list of (
object {
name string   //name
key string   //key
items  Optional //items
list of (
object {
name string   //name
identifier string   //identifier
title string   //title
action string   //action
disabled int  Optional //disabled
}
)}
)}
conditions object {
hasavailableconditions int   //hasavailableconditions
availableconditions   //availableconditions
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactiveconditions int   //hasactiveconditions
activeconditionsform string   //activeconditionsform
helpicon string   //helpicon
javascript string  Optional //javascript
}
filters object {
hasavailablefilters int   //hasavailablefilters
availablefilters   //availablefilters
list of (
object {
optiongroup object {
text string   //text
values   //values
list of (
object {
value string   //value
visiblename string   //visiblename
}
)}
}
)hasactivefilters int   //hasactivefilters
activefilters   //activefilters
list of (
```

?

```
object {
id int   //id
heading string   //heading
headingeditable string   //headingeditable
sortorder int   //sortorder
movetitle string   //movetitle
entityname string   //entityname
}
)helpicon string   //helpicon
}
sorting object {
hassortablecolumns int   //hassortablecolumns
sortablecolumns   //sortablecolumns
list of (
object {
id int   //id
title string   //title
heading string   //heading
sortdirection int   //sortdirection
sortenabled int   //sortenabled
sortorder int   //sortorder
sorticon object {
key string   //key
component string   //component
title string   //title
}
movetitle string   //movetitle
sortenabledtitle string   //sortenabledtitle
}
)helpicon string   //helpicon
}
cardview object {
form string   //form
helpicon string   //helpicon
}
javascript string   //javascript
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [name] => string
    [source] => string
    [type] => int
    [uniquerows] => int
    [conditiondata] => string
    [settingsdata] => string
    [contextid] => int
    [component] => string
    [area] => string
    [itemid] => int
    [usercreated] => int
    [id] => int
    [timecreated] => int
    [timemodified] => int
    [usermodified] => int
    [table] => string
    [filtersapplied] => int
    [filterspresent] => int
    [filtersform] => string
    [attributes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [classes] => string
    [editmode] => int
    [sidebarmenucards] =>
        Array
            (
            [menucards] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [key] => string
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [name] => string
                                            [identifier] => string
                                            [title] => string
                                            [action] => string
                                            [disabled] => int
                                            )
                                    )
                            )
                    )
            )
    [conditions] =>
        Array
            (
            [hasavailableconditions] => int
            [availableconditions] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [optiongroup] =>
                                Array
                                    (
                                    [text] => string
                                    [values] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [value] => string
                                                    [visiblename] => string
```

?

```
                                                )
                                            )
                                        )
                                    )
                                )
                            [hasactiveconditions] => int
                            [activeconditionsform] => string
                            [helpicon] => string
                            [javascript] => string
                            )
                        [filters] =>
                            Array
                                (
                                [hasavailablefilters] => int
                                [availablefilters] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [optiongroup] =>
                                                    Array
                                                        (
                                                        [text] => string
                                                        [values] =>
                                                            Array
                                                                (
                                                                [0] =>
                                                                    Array
                                                                        (
                                                                        [value] => string
                                                                        [visiblename] => string
                                                                        )
                                                                )
                                                        )
                                                )
                                        )
                                [hasactivefilters] => int
                                [activefilters] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [id] => int
                                                [heading] => string
                                                [headingeditable] => string
                                                [sortorder] => int
                                                [movetitle] => string
                                                [entityname] => string
                                                )
                                        )
                                [helpicon] => string
                                )
                        [sorting] =>
                            Array
                                (
                                [hassortablecolumns] => int
                                [sortablecolumns] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [id] => int
                                                [title] => string
                                                [heading] => string
                                                [sortdirection] => int
                                                [sortenabled] => int
                                                [sortorder] => int
                                                [sorticon] =>
                                                    Array
                                                        (
                                                        [key] => string
                                                        [component] => string
                                                        [title] => string
                                                        )
                                                [movetitle] => string
                                                [sortenabledtitle] => string
                                                )
                                        )
                                [helpicon] => string
                                )
                        [cardview] =>
                            Array
```

?

```
            (
            [form] => string
            [helpicon] => string
            )
        [javascript] => string
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="source">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="uniquerows">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="conditiondata">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="settingsdata">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="area">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usercreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="table">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="filtersapplied">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filterspresent">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filtersform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="attributes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="classes">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="editmode">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sidebarmenucards">
            <SINGLE>
                <KEY name="menucards">
                    <MULTIPLE>
                        <SINGLE>
```


?

```
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="key">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="identifier">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="title">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="action">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="disabled">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="conditions">
    <SINGLE>
        <KEY name="hasavailableconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availableconditions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactiveconditions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activeconditionsform">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="filters">
    <SINGLE>
        <KEY name="hasavailablefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="availablefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="optiongroup">
```


?

```
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="values">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="value">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="visiblename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="hasactivefilters">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="activefilters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="headingeditable">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="movetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="entityname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="helpicon">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="sorting">
    <SINGLE>
        <KEY name="hassortablecolumns">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortablecolumns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="heading">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortdirection">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sorticon">
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="component">
```


?

```
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="title">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                        <KEY name="movetitle">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="sortenabledtitle">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="helpicon">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="cardview">
        <SINGLE>
            <KEY name="form">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="helpicon">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="javascript">
        <VALUE>string</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_retrieve_report

Retrieve custom report content

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

?

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

page (Default to "0")

Page number

```
General structure

int  Default to "0" //Page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "10")

Reports per page

```
General structure

int  Default to "10" //Reports per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
details object {
name string   //name
source string   //source
type int   //type
uniquerows int   //uniquerows
conditiondata string   //conditiondata
settingsdata string   //settingsdata
contextid int   //contextid
component string   //component
area string   //area
itemid int   //itemid
usercreated int   //usercreated
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
sourcename string   //sourcename
modifiedby object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
}
data object {
headers   //headers
list of (
string   //headers
)rows   //rows
list of (
object {
columns   //columns
list of (
string   //columns
)}
)totalrowcount int   //totalrowcount
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [details] =>
        Array
            (
            [name] => string
            [source] => string
            [type] => int
            [uniquerows] => int
            [conditiondata] => string
            [settingsdata] => string
            [contextid] => int
            [component] => string
            [area] => string
            [itemid] => int
            [usercreated] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [sourcename] => string
            [modifiedby] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            )
    [data] =>
        Array
            (
            [headers] =>
                Array
                    (
                    [0] => string
                    )
            [rows] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [columns] =>
                                Array
                                    (
                                    [0] => string
                                    )
                            )
                    )
            [totalrowcount] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="details">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="source">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="type">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="uniquerows">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="conditiondata">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="settingsdata">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="area">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usercreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sourcename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="modifiedby">
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="email">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="idnumber">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone1">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone2">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="department">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="institution">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="fullname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="identity">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileurl">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="data">
        <SINGLE>
            <KEY name="headers">
                <MULTIPLE>
                    <VALUE>string</VALUE>
                </MULTIPLE>
            </KEY>
            <KEY name="rows">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="columns">
                            <MULTIPLE>
                                <VALUE>string</VALUE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="totalrowcount">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_reportbuilder_retrieve_system_report

Retrieve system report content

Arguments

source (Required)

Report class path

```
General structure

string   //Report class path
```

```
XML-RPC (PHP structure)

[source] => string
```

```
REST (POST parameters)

source= string
```

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

component (Default to "")

Report component

```
General structure

string  Default to "" //Report component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

area (Default to "")

Report area

?

```
General structure

string  Default to "" //Report area
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

itemid (Default to "0")

Report item ID

```
General structure

int  Default to "0" //Report item ID
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

parameters (Default to "Array ( ) ")

Report parameters

```
General structure

 Default to "Array
(
)
" //Report parameters
list of (
object {
name string value string }
)
```

```
XML-RPC (PHP structure)

[parameters] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

parameters[0][name]= string
parameters[0][value]= string
```

page (Default to "0")

Page number

```
General structure

int  Default to "0" //Page number
```

?

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "10")

Reports per page

```
General structure

int  Default to "10" //Reports per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

```
General structure

object {
data object {
headers   //headers
list of (
string   //headers
)rows   //rows
list of (
object {
columns   //columns
list of (
string   //columns
)}
)totalrowcount int   //totalrowcount
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [data] =>
        Array
            (
            [headers] =>
                Array
                    (
                    [0] => string
                    )
            [rows] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [columns] =>
                                Array
                                    (
                                    [0] => string
                                    )
                            )
                    )
            [totalrowcount] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <SINGLE>
                <KEY name="headers">
                    <MULTIPLE>
                        <VALUE>string</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="rows">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="columns">
                                <MULTIPLE>
                                    <VALUE>string</VALUE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="totalrowcount">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_reportbuilder_schedules_delete

Delete schedule from report

?

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

scheduleid (Required)

Schedule ID

```
General structure

int   //Schedule ID
```

```
XML-RPC (PHP structure)

[scheduleid] => int
```

```
REST (POST parameters)

scheduleid= int
```

Response

```
General structure

int
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes ?

Callable from AJAX

Yes

core_reportbuilder_schedules_send

Send report schedule

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

scheduleid (Required)

Schedule ID

```
General structure

int   //Schedule ID
```

```
XML-RPC (PHP structure)

[scheduleid] => int
```

```
REST (POST parameters)

scheduleid= int
```

Response

```
General structure

int
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_schedules_toggle

Toggle state of report schedule

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

scheduleid (Required)

Schedule ID

```
General structure

int   //Schedule ID
```

```
XML-RPC (PHP structure)

[scheduleid] => int
```

```
REST (POST parameters)

scheduleid= int
```

enabled (Required)

Schedule enabled

```
General structure

int   //Schedule enabled
```

```
XML-RPC (PHP structure)

[enabled] => int
```

?

```
REST (POST parameters)

enabled= int
```

Response

```
General structure

int
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_set_filters

Set filter values for given report

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

?

parameters (Default to "")

JSON encoded report parameters

```
General structure

string  Default to "" //JSON encoded report parameters
```

```
XML-RPC (PHP structure)

[parameters] => string
```

```
REST (POST parameters)

parameters= string
```

values (Required)

JSON encoded filter values

```
General structure

string   //JSON encoded filter values
```

```
XML-RPC (PHP structure)

[values] => string
```

```
REST (POST parameters)

values= string
```

Response

Success

```
General structure

int   //Success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_reportbuilder_view_report

Trigger custom report viewed

Arguments

reportid (Required)

Report ID

```
General structure

int   //Report ID
```

```
XML-RPC (PHP structure)

[reportid] => int
```

```
REST (POST parameters)

reportid= int
```

Response

```
General structure

object {
status int   //Success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_role_assign_roles

Manual role assignments.

Arguments

assignments (Required)

```
General structure

list of (
object {
roleid int   //Role to assign to the user
userid int   //The user that is going to be assigned
contextid int  Optional //The context to assign the user role in
contextlevel string  Optional //The context level to assign the user role in
                                    (block, course, coursecat, system, user, module)
instanceid int  Optional //The Instance id of item where the role needs to be assigned
}
)
```

?

```
XML-RPC (PHP structure)

[assignments] =>
    Array
        (
        [0] =>
            Array
                (
                [roleid] => int
                [userid] => int
                [contextid] => int
                [contextlevel] => string
                [instanceid] => int
                )
        )
```

```
REST (POST parameters)

assignments[0][roleid]= int
assignments[0][userid]= int
assignments[0][contextid]= int
assignments[0][contextlevel]= string
assignments[0][instanceid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_role_unassign_roles

Manual role unassignments.

Arguments

unassignments (Required)

```
General structure

list of (
object {
roleid int   //Role to assign to the user
userid int   //The user that is going to be assigned
contextid int  Optional //The context to unassign the user role from
contextlevel string  Optional //The context level to unassign the user role in
+                                    (block, course, coursecat, system, user, module)
instanceid int  Optional //The Instance id of item where the role needs to be unassigned
}
)
```

?

```
XML-RPC (PHP structure)

[unassignments] =>
    Array
        (
        [0] =>
            Array
                (
                [roleid] => int
                [userid] => int
                [contextid] => int
                [contextlevel] => string
                [instanceid] => int
                )
        )
```

```
REST (POST parameters)

unassignments[0][roleid]= int
unassignments[0][userid]= int
unassignments[0][contextid]= int
unassignments[0][contextlevel]= string
unassignments[0][instanceid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_search_get_relevant_users

Gets relevant users for a search request.

Arguments

query (Required)

Query string (full or partial user full name or other details)

```
General structure

string   //Query string (full or partial user full name or other details)
```

```
XML-RPC (PHP structure)

[query] => string
```

?

```
REST (POST parameters)

query= string
```

courseid (Required)

Course id (0 if none)

```
General structure

int   //Course id (0 if none)
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

list of (
object {
id int   //User id
fullname string   //Full name as text
profileimageurlsmall string   //URL to small profile image
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [fullname] => string
                [profileimageurlsmall] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_search_get_results

Get search results.

Arguments

query (Required)

the search query

```
General structure

string   //the search query
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

filters (Default to "Array ( ) ")

filters to apply

?

```
General structure

 Default to "Array
(
)
" //filters to apply
object {
title string  Optional //result title
areaids  Default to "Array
(
)
" //restrict results to these areas
list of (
string   //areaid
)courseids  Default to "Array
(
)
" //restrict results to these courses
list of (
int   //courseid
)contextids  Default to "Array
(
)
" //restrict results to these contexts
list of (
int   //contextid
)cat string  Default to "" //category to filter areas
userids  Default to "Array
(
)
" //restrict results to these users
list of (
int   //userid
)groupids  Default to "Array
(
)
" //restrict results to these groups
list of (
int   //groupid
)mycoursesonly int  Default to "" //only results from my courses
order string  Default to "" //how to order
timestart int  Default to "0" //docs modified after this date
timeend int  Default to "0" //docs modified before this date
}
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [title] => string
        [areaids] =>
            Array
                (
                [0] => string
                )
        [courseids] =>
            Array
                (
                [0] => int
                )
        [contextids] =>
            Array
                (
                [0] => int
                )
        [cat] => string
        [userids] =>
            Array
                (
                [0] => int
                )
        [groupids] =>
            Array
                (
                [0] => int
                )
        [mycoursesonly] => int
        [order] => string
        [timestart] => int
        [timeend] => int
        )
```

?

```
REST (POST parameters)

filters[title]= string
filters[areaids][0]= string
filters[courseids][0]= int
filters[contextids][0]= int
filters[cat]= string
filters[userids][0]= int
filters[groupids][0]= int
filters[mycoursesonly]= int
filters[order]= string
filters[timestart]= int
filters[timeend]= int
```

page (Default to "0")

results page number starting from 0, defaults to the first page

```
General structure

int  Default to "0" //results page number starting from 0, defaults to the first page
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

Response

```
General structure

object {
totalcount int   //Total number of results
results list of (
object {
itemid int   //unique id in the search area scope
componentname string   //component name
areaname string   //search area name
courseurl string   //result course url
coursefullname string   //result course fullname
timemodified int   //result modified time
title string   //result title
docurl string   //result url
iconurl string  Optional //icon url
content string  Optional //result contents
contextid int   //result context id
contexturl string   //result context url
description1 string  Optional //extra result contents, depends on the search area
description2 string  Optional //extra result contents, depends on the search area
multiplefiles int  Optional //whether multiple files are returned or not
filenames string  Optional //result file names if present
filename string  Optional //result file name if present
userid int  Optional //user id
userurl string  Optional //user url
userfullname string  Optional //user fullname
textformat int   //text fields format, it is the same for all of them
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [totalcount] => int
    [results] =>
        Array
            (
            [0] =>
                Array
                    (
                    [itemid] => int
                    [componentname] => string
                    [areaname] => string
                    [courseurl] => string
                    [coursefullname] => string
                    [timemodified] => int
                    [title] => string
                    [docurl] => string
                    [iconurl] => string
                    [content] => string
                    [contextid] => int
                    [contexturl] => string
                    [description1] => string
                    [description2] => string
                    [multiplefiles] => int
                    [filenames] => string
                    [filename] => string
                    [userid] => int
                    [userurl] => string
                    [userfullname] => string
                    [textformat] => int
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="totalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="results">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="componentname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="areaname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="coursefullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="docurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="iconurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contexturl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="multiplefiles">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filenames">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="textformat">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_search_get_search_areas_list

Get search areas.

Arguments

cat (Default to "")

category to filter areas

```
General structure

string  Default to "" //category to filter areas
```

```
XML-RPC (PHP structure)

[cat] => string
```

```
REST (POST parameters)

cat= string
```

Response

```
General structure

object {
areas   //Search areas
list of (
  //Search area
object {
id string   //search area id
categoryid string   //category id
categoryname string   //category name
name string   //search area name
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [areas] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => string
                    [categoryid] => string
                    [categoryname] => string
                    [name] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="areas">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_search_get_top_results

Get top search results.

Arguments

query (Required)

the search query

General structure

```
string   //the search query
```

XML-RPC (PHP structure)

```
[query] => string
```

REST (POST parameters)

```
query= string
```

filters (Default to "Array ( ) ")

filters to apply

?

```
General structure

 Default to "Array
(
)
" //filters to apply
object {
title string  Optional //result title
areaids  Default to "Array
(
)
" //restrict results to these areas
list of (
string   //areaid
)courseids  Default to "Array
(
)
" //restrict results to these courses
list of (
int   //courseid
)contextids  Default to "Array
(
)
" //restrict results to these contexts
list of (
int   //contextid
)cat string  Default to "" //category to filter areas
userids  Default to "Array
(
)
" //restrict results to these users
list of (
int   //userid
)groupids  Default to "Array
(
)
" //restrict results to these groups
list of (
int   //groupid
)mycoursesonly int  Default to "" //only results from my courses
order string  Default to "" //how to order
timestart int  Default to "0" //docs modified after this date
timeend int  Default to "0" //docs modified before this date
}
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [title] => string
        [areaids] =>
            Array
                (
                [0] => string
                )
        [courseids] =>
            Array
                (
                [0] => int
                )
        [contextids] =>
            Array
                (
                [0] => int
                )
        [cat] => string
        [userids] =>
            Array
                (
                [0] => int
                )
        [groupids] =>
            Array
                (
                [0] => int
                )
        [mycoursesonly] => int
        [order] => string
        [timestart] => int
        [timeend] => int
        )
```

?

```
REST (POST parameters)

filters[title]= string
filters[areaids][0]= string
filters[courseids][0]= int
filters[contextids][0]= int
filters[cat]= string
filters[userids][0]= int
filters[groupids][0]= int
filters[mycoursesonly]= int
filters[order]= string
filters[timestart]= int
filters[timeend]= int
```

Response

```
General structure

object {
results list of (
object {
itemid int   //unique id in the search area scope
componentname string   //component name
areaname string   //search area name
courseurl string   //result course url
coursefullname string   //result course fullname
timemodified int   //result modified time
title string   //result title
docurl string   //result url
iconurl string  Optional //icon url
content string  Optional //result contents
contextid int   //result context id
contexturl string   //result context url
description1 string  Optional //extra result contents, depends on the search area
description2 string  Optional //extra result contents, depends on the search area
multiplefiles int  Optional //whether multiple files are returned or not
filenames string  Optional //result file names if present
filename string  Optional //result file name if present
userid int  Optional //user id
userurl string  Optional //user url
userfullname string  Optional //user fullname
textformat int   //text fields format, it is the same for all of them
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [results] =>
        Array
            (
            [0] =>
                Array
                    (
                    [itemid] => int
                    [componentname] => string
                    [areaname] => string
                    [courseurl] => string
                    [coursefullname] => string
                    [timemodified] => int
                    [title] => string
                    [docurl] => string
                    [iconurl] => string
                    [content] => string
                    [contextid] => int
                    [contexturl] => string
                    [description1] => string
                    [description2] => string
                    [multiplefiles] => int
                    [filenames] => string
                    [filename] => string
                    [userid] => int
                    [userurl] => string
                    [userfullname] => string
                    [textformat] => int
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="results">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="componentname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="areaname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="coursefullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="docurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="iconurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contexturl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="multiplefiles">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filenames">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="textformat">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_search_view_results

Trigger view search results event.

Arguments

query (Required)

the search query

```
General structure

string   //the search query
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

filters (Default to "Array ( ) ")

filters to apply

```
General structure

 Default to "Array
(
)
" //filters to apply
object {
title string  Optional //result title
areaids  Default to "Array
(
)
" //restrict results to these areas
list of (
string   //areaid
)courseids  Default to "Array
(
)
" //restrict results to these courses
list of (
int   //courseid
)timestart int  Default to "0" //docs modified after this date
timeend int  Default to "0" //docs modified before this date
}
```

?

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [title] => string
        [areaids] =>
            Array
                (
                [0] => string
                )
        [courseids] =>
            Array
                (
                [0] => int
                )
        [timestart] => int
        [timeend] => int
        )
```

```
REST (POST parameters)

filters[title]= string
filters[areaids][0]= string
filters[courseids][0]= int
filters[timestart]= int
filters[timeend]= int
```

page (Default to "0")

results page number starting from 0, defaults to the first page

```
General structure

int  Default to "0" //results page number starting from 0, defaults to the first page
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_session_time_remaining

Count the seconds remaining in this session

?

Arguments

Response

```
General structure

object {
userid int   //The current user id.
timeremaining int   //The number of seconds remaining in this session.
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [userid] => int
        [timeremaining] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeremaining">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_session_touch

Keep the users session alive

Arguments

Response

result

?

```
General structure

int   //result
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_table_get_dynamic_table_content

Get the dynamic table content raw html

Arguments

component (Required)

Component

```
General structure

string   //Component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

handler (Required)

Handler

```
General structure

string   //Handler
```

?

```
XML-RPC (PHP structure)

[handler] => string
```

```
REST (POST parameters)

handler= string
```

uniqueid (Required)

Unique ID for the container

```
General structure

string   //Unique ID for the container
```

```
XML-RPC (PHP structure)

[uniqueid] => string
```

```
REST (POST parameters)

uniqueid= string
```

sortdata (Optional)

The combined sort order of the table. Multiple fields can be specified.

```
General structure

 Optional //The combined sort order of the table. Multiple fields can be specified.
list of (
object {
sortby string   //The name of a sortable column
sortorder string   //The direction that this column should be sorted by
}
)
```

```
XML-RPC (PHP structure)

[sortdata] =>
    Array
        (
        [0] =>
            Array
                (
                [sortby] => string
                [sortorder] => string
                )
        )
```

```
REST (POST parameters)

sortdata[0][sortby]= string
sortdata[0][sortorder]= string
```

filters (Optional)

The filters that will be applied in the request

?

```
General structure

 Optional //The filters that will be applied in the request
list of (
object {
name string   //Name of the filter
jointype int   //Type of join for filter values
values   //The value to filter on
list of (
string   //Filter value
)filteroptions  Optional //Additional options for this filter
list of (
object {
name string   //Name of the filter option
value string   //Value of the filter option
}
)}
)
```

```
XML-RPC (PHP structure)

[filters] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [jointype] => int
                [values] =>
                    Array
                        (
                        [0] => string
                        )
                [filteroptions] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [value] => string
                                )
                        )
                )
        )
```

```
REST (POST parameters)

filters[0][name]= string
filters[0][jointype]= int
filters[0][values][0]= string
filters[0][filteroptions][0][name]= string
filters[0][filteroptions][0][value]= string
```

jointype (Required)

Type of join to join all filters together

```
General structure

int   //Type of join to join all filters together
```

```
XML-RPC (PHP structure)

[jointype] => int
```

```
REST (POST parameters)

jointype= int
```

firstinitial (Required)

The first initial to sort filter on

?

```
General structure

string   //The first initial to sort filter on
```

```
XML-RPC (PHP structure)

[firstinitial] => string
```

```
REST (POST parameters)

firstinitial= string
```

lastinitial (Required)

The last initial to sort filter on

```
General structure

string   //The last initial to sort filter on
```

```
XML-RPC (PHP structure)

[lastinitial] => string
```

```
REST (POST parameters)

lastinitial= string
```

pagenumber (Required)

The page number

```
General structure

int   //The page number
```

```
XML-RPC (PHP structure)

[pagenumber] => int
```

```
REST (POST parameters)

pagenumber= int
```

pagesize (Required)

The number of records per page

```
General structure

int   //The number of records per page
```

```
XML-RPC (PHP structure)

[pagesize] => int
```

```
REST (POST parameters)

pagesize= int
```

hiddencolumns (Required)

?

```
General structure

list of (
string   //Name of column
)
```

```
XML-RPC (PHP structure)

[hiddencolumns] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

hiddencolumns[0]= string
```

resetpreferences (Required)

Whether the table preferences should be reset

```
General structure

int   //Whether the table preferences should be reset
```

```
XML-RPC (PHP structure)

[resetpreferences] => int
```

```
REST (POST parameters)

resetpreferences= int
```

Response

```
General structure

object {
html string   //The raw html of the requested table.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [html] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="html">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_tag_get_tag_areas

Retrieves existing tag areas.

Arguments

Response

?

General structure

```
object {
areas list of (
object {
id int   //Area id.
component string   //Component the area is related to.
itemtype string   //Type of item in the component.
enabled int   //Whether this area is enabled.
tagcollid int   //The tag collection this are belongs to.
callback string   //Component callback for processing tags.
callbackfile string   //Component callback file.
showstandard int   //Return whether to display only standard, only non-standard or both tags.
multiplecontexts int   //Whether the tag area allows tag instances to be created in multiple contexts.
locked int  Optional //Whether the area is locked.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [areas] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [component] => string
                        [itemtype] => string
                        [enabled] => int
                        [tagcollid] => int
                        [callback] => string
                        [callbackfile] => string
                        [showstandard] => int
                        [multiplecontexts] => int
                        [locked] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="areas">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="enabled">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tagcollid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="callback">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="callbackfile">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="showstandard">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="multiplecontexts">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="locked">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes ?

Callable from AJAX

No

core_tag_get_tag_cloud

Retrieves a tag cloud for the given collection and/or query search.

Arguments

tagcollid (Default to "0")

Tag collection id.

```
General structure

int  Default to "0" //Tag collection id.
```

```
XML-RPC (PHP structure)

[tagcollid] => int
```

```
REST (POST parameters)

tagcollid= int
```

isstandard (Default to "")

Whether to return only standard tags.

```
General structure

int  Default to "" //Whether to return only standard tags.
```

```
XML-RPC (PHP structure)

[isstandard] => int
```

```
REST (POST parameters)

isstandard= int
```

limit (Default to "150")

Maximum number of tags to retrieve.

```
General structure

int  Default to "150" //Maximum number of tags to retrieve.
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

sort (Default to "name")

Sort order for display (id, name, rawname, count, flag, isstandard, tagcollid).

```
General structure

string  Default to "name" //Sort order for display
                    (id, name, rawname, count, flag, isstandard, tagcollid).
```

?

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

search (Default to "")

Search string.

```
General structure

string  Default to "" //Search string.
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

fromctx (Default to "0")

Context id where this tag cloud is displayed.

```
General structure

int  Default to "0" //Context id where this tag cloud is displayed.
```

```
XML-RPC (PHP structure)

[fromctx] => int
```

```
REST (POST parameters)

fromctx= int
```

ctx (Default to "0")

Only retrieve tag instances in this context.

```
General structure

int  Default to "0" //Only retrieve tag instances in this context.
```

```
XML-RPC (PHP structure)

[ctx] => int
```

```
REST (POST parameters)

ctx= int
```

rec (Default to "1")

Retrieve tag instances in the $ctx context and it's children.

```
General structure

int  Default to "1" //Retrieve tag instances in the $ctx context and it's children.
```

?

```
XML-RPC (PHP structure)

[rec] => int
```

```
REST (POST parameters)

rec= int
```

Response

```
General structure

object {
tags list of (
  //Tags.
object {
name string   //Tag name.
viewurl string   //URL to view the tag index.
flag int  Optional //Whether the tag is flagged as inappropriate.
isstandard int  Optional //Whether is a standard tag or not.
count int  Optional //Number of tag instances.
size int  Optional //Proportional size to display the tag.
}
)tagscount int   //Number of tags returned.
totalcount int   //Total count of tags.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [tags] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [name] => string
                        [viewurl] => string
                        [flag] => int
                        [isstandard] => int
                        [count] => int
                        [size] => int
                        )
                )
        [tagscount] => int
        [totalcount] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="tags">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="flag">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isstandard">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="size">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="tagscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="totalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_tag_get_tag_collections

Retrieves existing tag collections.

Arguments

Response

```
General structure

object {
collections list of (
object {
id int   //Collection id.
name string   //Collection name.
isdefault int   //Whether is the default collection.
component string   //Component the collection is related to.
sortorder int   //Collection ordering in the list.
searchable int   //Whether the tag collection is searchable.
customurl string   //Custom URL for the tag page instead of /tag/index.php.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [collections] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [isdefault] => int
                        [component] => string
                        [sortorder] => int
                        [searchable] => int
                        [customurl] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="collections">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isdefault">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="searchable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="customurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_tag_get_tagindex

?

Gets tag index page for one tag and one tag area

Arguments

tagindex (Required)

parameters

```
General structure

  //parameters
object {
tag string   //tag name
tc int   //tag collection id
ta int   //tag area id
excl int  Optional //exlusive mode for this tag area
from int  Optional //context id where the link was displayed
ctx int  Optional //context id where to search for items
rec int  Optional //search in the context recursive
page int  Optional //page number (0-based)
}
```

```
XML-RPC (PHP structure)

[tagindex] =>
    Array
        (
        [tag] => string
        [tc] => int
        [ta] => int
        [excl] => int
        [from] => int
        [ctx] => int
        [rec] => int
        [page] => int
        )
```

```
REST (POST parameters)

tagindex[tag]= string
tagindex[tc]= int
tagindex[ta]= int
tagindex[excl]= int
tagindex[from]= int
tagindex[ctx]= int
tagindex[rec]= int
tagindex[page]= int
```

Response

tag index

```
General structure

  //tag index
object {
tagid int   //tag id
ta int   //tag area id
component string   //component
itemtype string   //itemtype
nextpageurl string  Optional //URL for the next page
prevpageurl string  Optional //URL for the next page
exclusiveurl string  Optional //URL for exclusive link
exclusivetext string  Optional //text for exclusive link
title string   //title
content string   //title
hascontent int   //whether the content is present
anchor string  Optional //name of anchor
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [tagid] => int
    [ta] => int
    [component] => string
    [itemtype] => string
    [nextpageurl] => string
    [prevpageurl] => string
    [exclusiveurl] => string
    [exclusivetext] => string
    [title] => string
    [content] => string
    [hascontent] => int
    [anchor] => string
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="tagid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ta">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemtype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="nextpageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="prevpageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="exclusiveurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="exclusivetext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="title">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hascontent">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="anchor">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

?

Yes

Callable from AJAX

Yes

core_tag_get_tagindex_per_area

Gets tag index page per different areas.

Arguments

tagindex (Required)

parameters

```
General structure

  //parameters
object {
id int  Optional //tag id
tag string  Optional //tag name
tc int  Optional //tag collection id
ta int  Optional //tag area id
excl int  Optional //exlusive mode for this tag area
from int  Optional //context id where the link was displayed
ctx int  Optional //context id where to search for items
rec int  Optional //search in the context recursive
page int  Optional //page number (0-based)
}
```

```
XML-RPC (PHP structure)

[tagindex] =>
    Array
        (
        [id] => int
        [tag] => string
        [tc] => int
        [ta] => int
        [excl] => int
        [from] => int
        [ctx] => int
        [rec] => int
        [page] => int
        )
```

```
REST (POST parameters)

tagindex[id]= int
tagindex[tag]= string
tagindex[tc]= int
tagindex[ta]= int
tagindex[excl]= int
tagindex[from]= int
tagindex[ctx]= int
tagindex[rec]= int
tagindex[page]= int
```

Response

?

```
General structure

list of (
  //tag index
object {
tagid int   //tag id
ta int   //tag area id
component string   //component
itemtype string   //itemtype
nextpageurl string  Optional //URL for the next page
prevpageurl string  Optional //URL for the next page
exclusiveurl string  Optional //URL for exclusive link
exclusivetext string  Optional //text for exclusive link
title string   //title
content string   //title
hascontent int   //whether the content is present
anchor string  Optional //name of anchor
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [tagid] => int
                [ta] => int
                [component] => string
                [itemtype] => string
                [nextpageurl] => string
                [prevpageurl] => string
                [exclusiveurl] => string
                [exclusivetext] => string
                [title] => string
                [content] => string
                [hascontent] => int
                [anchor] => string
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="tagid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ta">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemtype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="nextpageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="prevpageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="exclusiveurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="exclusivetext">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="title">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="content">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="hascontent">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="anchor">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

core_tag_get_tags

Gets tags by their ids

Arguments

?

tags (Required)

```
General structure

list of (
object {
id int   //tag id
}
)
```

```
XML-RPC (PHP structure)

[tags] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                )
        )
```

```
REST (POST parameters)

tags[0][id]= int
```

Response

```
General structure

object {
tags list of (
  //information about one tag
object {
id int   //tag id
tagcollid int   //tag collection id
name string   //name
rawname string   //tag raw name (may contain capital letters)
description string   //tag description
descriptionformat int   //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
flag int  Optional //flag
official int  Optional //whether this flag is standard (deprecated, use isstandard)
isstandard int  Optional //whether this flag is standard
viewurl string   //URL to view
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [tags] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [tagcollid] => int
                    [name] => string
                    [rawname] => string
                    [description] => string
                    [descriptionformat] => int
                    [flag] => int
                    [official] => int
                    [isstandard] => int
                    [viewurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="tags">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tagcollid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rawname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flag">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="official">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isstandard">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes ?

Callable from AJAX

Yes

core_tag_update_tags

Updates tags

Arguments

tags (Required)

```
General structure

list of (
object {
id int   //tag id
rawname string  Optional //tag raw name (may contain capital letters)
description string  Optional //tag description
descriptionformat int  Optional //tag description format
flag int  Optional //flag
official int  Optional //(deprecated, use isstandard) whether this flag is standard
isstandard int  Optional //whether this flag is standard
}
)
```

```
XML-RPC (PHP structure)

[tags] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [rawname] => string
                [description] => string
                [descriptionformat] => int
                [flag] => int
                [official] => int
                [isstandard] => int
                )
        )
```

```
REST (POST parameters)

tags[0][id]= int
tags[0][rawname]= string
tags[0][description]= string
tags[0][descriptionformat]= int
tags[0][flag]= int
tags[0][official]= int
tags[0][isstandard]= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_update_inplace_editable

Generic service to update title

Arguments

component (Required) ?

component responsible for the update

```
General structure

string   //component responsible for the update
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

itemtype (Required)

type of the updated item inside the component

```
General structure

string   //type of the updated item inside the component
```

```
XML-RPC (PHP structure)

[itemtype] => string
```

```
REST (POST parameters)

itemtype= string
```

itemid (Required)

identifier of the updated item

```
General structure

string   //identifier of the updated item
```

```
XML-RPC (PHP structure)

[itemid] => string
```

```
REST (POST parameters)

itemid= string
```

value (Required)

new value

```
General structure

string   //new value
```

```
XML-RPC (PHP structure)

[value] => string
```

```
REST (POST parameters)

value= string
```

Response ?

General structure

```
object {
displayvalue string   //display value (may contain link or other html tags)
component string  Optional //component responsible for the update
itemtype string  Optional //itemtype
value string  Optional //value of the item as it is stored
itemid string  Optional //identifier of the updated item
edithint string  Optional //hint for editing element
editlabel string  Optional //label for editing element
editicon object {
key string  Optional //Edit icon key
component string  Optional //Edit icon component
title string  Optional //Edit icon title
}
type string  Optional //type of the element (text, toggle, select)
options string  Optional //options of the element, format depends on type
linkeeverything int  Optional //Should everything be wrapped in the edit link or link displayed separately
}
```

XML-RPC (PHP structure)

```
Array
    (
    [displayvalue] => string
    [component] => string
    [itemtype] => string
    [value] => string
    [itemid] => string
    [edithint] => string
    [editlabel] => string
    [editicon] =>
        Array
            (
            [key] => string
            [component] => string
            [title] => string
            )
    [type] => string
    [options] => string
    [linkeeverything] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="displayvalue">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemtype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="value">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edithint">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="editlabel">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="editicon">
            <SINGLE>
                <KEY name="key">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="title">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="type">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="options">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="linkeverything">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_add_user_device

Store mobile user devices information for PUSH Notifications. ?

Arguments

appid (Required)

the app id, usually something like com.moodle.moodlemobile

```
General structure

string   //the app id, usually something like com.moodle.moodlemobile
```

```
XML-RPC (PHP structure)

[appid] => string
```

```
REST (POST parameters)

appid= string
```

name (Required)

the device name, 'occam' or 'iPhone' etc.

```
General structure

string   //the device name, 'occam' or 'iPhone' etc.
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

model (Required)

the device model 'Nexus4' or 'iPad1,1' etc.

```
General structure

string   //the device model 'Nexus4' or 'iPad1,1' etc.
```

```
XML-RPC (PHP structure)

[model] => string
```

```
REST (POST parameters)

model= string
```

platform (Required)

the device platform 'iOS' or 'Android' etc.

```
General structure

string   //the device platform 'iOS' or 'Android' etc.
```

```
XML-RPC (PHP structure)

[platform] => string
```

```
REST (POST parameters)

platform= string
```

?

version (Required)

the device version '6.1.2' or '4.2.2' etc.

```
General structure

string   //the device version '6.1.2' or '4.2.2' etc.
```

```
XML-RPC (PHP structure)

[version] => string
```

```
REST (POST parameters)

version= string
```

pushid (Required)

the device PUSH token/key/identifier/registration id

```
General structure

string   //the device PUSH token/key/identifier/registration id
```

```
XML-RPC (PHP structure)

[pushid] => string
```

```
REST (POST parameters)

pushid= string
```

uuid (Required)

the device UUID

```
General structure

string   //the device UUID
```

```
XML-RPC (PHP structure)

[uuid] => string
```

```
REST (POST parameters)

uuid= string
```

publickey (Default to "null")

the app generated public key

```
General structure

string  Default to "null" //the app generated public key
```

```
XML-RPC (PHP structure)

[publickey] => string
```

```
REST (POST parameters)

publickey= string
```

?

Response

```
General structure

list of (
 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
))
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

No

core_user_add_user_private_files

Copy files from a draft area to users private files area.

Arguments

draftid (Required)

draft area id

```
General structure

int   //draft area id
```

```
XML-RPC (PHP structure)

[draftid] => int
```

```
REST (POST parameters)

draftid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_agree_site_policy

Agree the site policy for the current user.

Arguments

Response

?

General structure

```
object {
status int   //Status: true only if we set the policyagreed to 1 for the user
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_create_users

Create users.

Arguments

users (Required)

```
General structure

list of (
object {
createpassword int  Optional //True if password should be created and mailed to user.
username string   //Username policy is defined in Moodle security config.
auth string  Default to "manual" //Auth plugins include manual, ldap, etc
password string  Optional //Plain text password consisting of any characters
firstname string   //The first name(s) of the user
lastname string   //The family name of the user
email string   //A valid and unique email address
maildisplay int  Optional //Email visibility
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
description string  Optional //User profile description, no HTML
firstnamephonetic string  Optional //The first name(s) phonetically of the user
lastnamephonetic string  Optional //The family name phonetically of the user
middlename string  Optional //The middle name of the user
alternatename string  Optional //The alternate name of the user
interests string  Optional //User interests (separated by commas)
idnumber string  Default to "" //An arbitrary ID code number perhaps from the institution
institution string  Optional //institution
department string  Optional //department
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
address string  Optional //Postal address
lang string  Default to "en" //Language code such as "en", must exist on server
calendartype string  Default to "gregorian" //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
customfields  Optional //User custom fields (also known as user profil fields)
list of (
object {
type string   //The name of the custom field
value string   //The value of the custom field
}
)preferences  Optional //User preferences
list of (
object {
type string   //The name of the preference
value string   //The value of the preference
}
)}
)
```

?

XML-RPC (PHP structure)

```
[users] =>
    Array
        (
        [0] =>
            Array
                (
                [createpassword] => int
                [username] => string
                [auth] => string
                [password] => string
                [firstname] => string
                [lastname] => string
                [email] => string
                [maildisplay] => int
                [city] => string
                [country] => string
                [timezone] => string
                [description] => string
                [firstnamephonetic] => string
                [lastnamephonetic] => string
                [middlename] => string
                [alternatename] => string
                [interests] => string
                [idnumber] => string
                [institution] => string
                [department] => string
                [phone1] => string
                [phone2] => string
                [address] => string
                [lang] => string
                [calendartype] => string
                [theme] => string
                [mailformat] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                [preferences] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

users[0][createpassword]= int
users[0][username]= string
users[0][auth]= string
users[0][password]= string
users[0][firstname]= string
users[0][lastname]= string
users[0][email]= string
users[0][maildisplay]= int
users[0][city]= string
users[0][country]= string
users[0][timezone]= string
users[0][description]= string
users[0][firstnamephonetic]= string
users[0][lastnamephonetic]= string
users[0][middlename]= string
users[0][alternatename]= string
users[0][interests]= string
users[0][idnumber]= string
users[0][institution]= string
users[0][department]= string
users[0][phone1]= string
users[0][phone2]= string
users[0][address]= string
users[0][lang]= string
users[0][calendartype]= string
users[0][theme]= string
users[0][mailformat]= int
users[0][customfields][0][type]= string
users[0][customfields][0][value]= string
users[0][preferences][0][type]= string
users[0][preferences][0][value]= string
```

Response

```
General structure

list of (
object {
id int   //user id
username string   //user name
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [username] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_delete_users

Delete users.

Arguments

userids (Required)

```
General structure

list of (
int   //user ID
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

core_user_get_course_user_profiles

Get course user profiles (each of the profils matching a course id and a user id),.

Arguments

userlist (Required)

```
General structure

list of (
object {
userid int   //userid
courseid int   //courseid
}
)
```

```
XML-RPC (PHP structure)

[userlist] =>
    Array
        (
        [0] =>
            Array
                (
                [userid] => int
                [courseid] => int
                )
        )
```

```
REST (POST parameters)

userlist[0][userid]= int
userlist[0][courseid]= int
```

Response

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)groups  Optional //user groups
list of (
object {
id int   //group id
name string   //group name
description string   //group description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)roles  Optional //user roles
list of (
object {
roleid int   //role id
name string   //role name
shortname string   //role shortname
sortorder int   //role sortorder
}
)enrolledcourses  Optional //Courses where the user is enrolled - limited by which courses the user is able to see
list of (
object {
id int   //Id of the course
fullname string   //Fullname of the course
shortname string   //Shortname of the course
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [suspended] => int
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            [groups] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [description] => string
                            [descriptionformat] => int
                            )
                    )
            [roles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [roleid] => int
                            [name] => string
                            [shortname] => string
                            [sortorder] => int
                            )
                    )
            [enrolledcourses] =>
```

?

```
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            )
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="auth">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="confirmed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timezone">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mailformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
```


?

```
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="profileimageurlsmall">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="profileimageurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="customfields">
        <MULTIPLE>
            <SINGLE>
                <KEY name="type">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="value">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="displayvalue">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="preferences">
        <MULTIPLE>
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="value">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="groups">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="roles">
        <MULTIPLE>
            <SINGLE>
                <KEY name="roleid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="sortorder">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="enrolledcourses">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_get_private_files_info

Returns general information about files in the user private files area.

Arguments

userid (Default to "0")

Id of the user, default to current user.

```
General structure

int  Default to "0" //Id of the user, default to current user.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

General structure

```
object {
filecount int   //Number of files in the area.
foldercount int   //Number of folders in the area.
filesize int   //Total size of the files in the area.
filesizewithoutreferences int   //Total size of the area excluding file references
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [filecount] => int
        [foldercount] => int
        [filesize] => int
        [filesizewithoutreferences] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="filecount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="foldercount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filesize">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="filesizewithoutreferences">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_get_user_preferences

Return user preferences.

Arguments

name (Default to "")

preference name, empty for all

```
General structure

string  Default to "" //preference name, empty for all
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

userid (Default to "0")

id of the user, default to current user

```
General structure

int  Default to "0" //id of the user, default to current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
preferences   //User custom fields (also known as user profile fields)
list of (
object {
name string   //The name of the preference
value string   //The value of the preference
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [preferences] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [name] => string
                        [value] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="preferences">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_get_users

search for users matching the parameters

Arguments

criteria (Required)

the key/value pairs to be considered in user search. Values can not be empty. Specify different keys only once (fullname => 'user1', auth => 'manual', ...) - key occurences are forbidden. The search is executed with AND operator on the criterias. Invalid criterias (keys) are ignored, the search is still executed on the valid criterias. You can search without criteria, but the function is not designed for it. It could very slow or timeout. The function is designed to search some specific users.

?

```
General structure

  //the key/value pairs to be considered in user search. Values can not be empty.
                        Specify different keys only once (fullname => 'user1', auth => 'manual', ...) -
                        key occurences are forbidden.
                        The search is executed with AND operator on the criterias. Invalid criterias (keys) are ignored,
                        the search is still executed on the valid criterias.
                        You can search without criteria, but the function is not designed for it.
                        It could very slow or timeout. The function is designed to search some specific users.
list of (
object {
key string   //the user column to search, expected keys (value format) are:
                                "id" (int) matching user id,
                                "lastname" (string) user last name (Note: you can use % for searching but it may be considerably slower!),
                                "firstname" (string) user first name (Note: you can use % for searching but it may be considerably slower!),
                                "idnumber" (string) matching user idnumber,
                                "username" (string) matching user username,
                                "email" (string) user email (Note: you can use % for searching but it may be considerably slower!),
                                "auth" (string) matching user auth plugin
value string   //the value to search
}
)
```

```
XML-RPC (PHP structure)

[criteria] =>
    Array
        (
        [0] =>
            Array
                (
                [key] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

criteria[0][key]= string
criteria[0][value]= string
```

Response

?

```
General structure

object {
users list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //always set to 'key'
itemid int  Optional //faulty key name
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [username] => string
                    [firstname] => string
                    [lastname] => string
                    [fullname] => string
                    [email] => string
                    [address] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [idnumber] => string
                    [interests] => string
                    [firstaccess] => int
                    [lastaccess] => int
                    [auth] => string
                    [suspended] => int
                    [confirmed] => int
                    [lang] => string
                    [calendartype] => string
                    [theme] => string
                    [timezone] => string
                    [mailformat] => int
                    [description] => string
                    [descriptionformat] => int
                    [city] => string
                    [country] => string
                    [profileimageurlsmall] => string
                    [profileimageurl] => string
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [type] => string
                                    [value] => string
                                    [displayvalue] => string
                                    [name] => string
                                    [shortname] => string
                                    )
                            )
                    [preferences] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="username">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="address">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="department">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="institution">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="interests">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="auth">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="suspended">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="confirmed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="calendartype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="theme">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timezone">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mailformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="city">
                        <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="country">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="customfields">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="displayvalue">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="preferences">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
No

core_user_get_users_by_field

Retrieve users' information for a specified unique field - If you want to do a user search, use core_user_get_users() or core_user_search_identity().

Arguments
field (Required)

the search field can be 'id' or 'idnumber' or 'username' or 'email'

```
General structure

string   //the search field can be
                    'id' or 'idnumber' or 'username' or 'email'
```

```
XML-RPC (PHP structure)

[field] => string
```

```
REST (POST parameters)

field= string
```

values (Required)

```
General structure

list of (
string   //the value to match
)
```

```
XML-RPC (PHP structure)

[values] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

values[0]= string
```

Response

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [suspended] => int
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="auth">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="confirmed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timezone">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mailformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="displayvalue">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="preferences">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_remove_user_device

Remove a user device from the Moodle database.

Arguments

uuid (Required) ?

the device UUID

```
General structure

string   //the device UUID
```

```
XML-RPC (PHP structure)

[uuid] => string
```

```
REST (POST parameters)

uuid= string
```

appid (Default to "")

the app id, if empty devices matching the UUID for the user will be removed

```
General structure

string  Default to "" //the app id, if empty devices matching the UUID for the user will be removed
```

```
XML-RPC (PHP structure)

[appid] => string
```

```
REST (POST parameters)

appid= string
```

Response

```
General structure

object {
removed int   //True if removed, false if not removed because it doesn't exists
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [removed] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="removed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_search_identity

Return list of users identities matching the given criteria in their name or other identity fields.

Arguments

query (Required)

The search query

```
General structure

string   //The search query
```

```
XML-RPC (PHP structure)

[query] => string
```

?

```
REST (POST parameters)

query= string
```

Response

```
General structure

object {
list list of (
object {
id int   //ID of the user
fullname string   //The fullname of the user
extrafields  Optional //List of extra fields
list of (
object {
name string   //Name of the extrafield.
value string   //Value of the extrafield.
}
)}
)maxusersperpage int   //Configured maximum users per page.
overflow int   //Were there more records than maxusersperpage found?
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [list] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [fullname] => string
                        [extrafields] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [name] => string
                                        [value] => string
                                        )
                                )
                        )
                )
        [maxusersperpage] => int
        [overflow] => int
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="list">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="extrafields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="maxusersperpage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="overflow">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_set_user_preferences

Set user preferences.

Arguments

preferences (Required)

?

```
General structure

list of (
object {
name string   //The name of the preference
value string   //The value of the preference
userid int  Default to "0" //Id of the user to set the preference (default to current user)
}
)
```

```
XML-RPC (PHP structure)

[preferences] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                [userid] => int
                )
        )
```

```
REST (POST parameters)

preferences[0][name]= string
preferences[0][value]= string
preferences[0][userid]= int
```

Response

```
General structure

object {
saved   //Preferences saved
list of (
object {
name string   //The name of the preference
userid int   //The user the preference was set for
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [saved] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [userid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="saved">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
No

Callable from AJAX
Yes

core_user_update_picture

Update or delete the user picture in the site

Arguments
draftitemid (Required)

Id of the user draft file to use as image

```
General structure

int   //Id of the user draft file to use as image
```

```
XML-RPC (PHP structure)

[draftitemid] => int
```

```
REST (POST parameters)

draftitemid= int
```

delete (Default to "")

If we should delete the user picture

```
General structure

int  Default to "" //If we should delete the user picture
```

```
XML-RPC (PHP structure)

[delete] => int
```

```
REST (POST parameters)

delete= int
```

userid (Default to "0")

Id of the user, 0 for current user

```
General structure

int  Default to "0" //Id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

?

Response

General structure

```
object {
success int   //True if the image was updated, false otherwise.
profileimageurl string  Optional //New profile user image url
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [success] => int
        [profileimageurl] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="profileimageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_update_user_device_public_key

Store mobile user public key.

Arguments

uuid (Required)

the device UUID

```
General structure

string   //the device UUID
```

```
XML-RPC (PHP structure)

[uuid] => string
```

```
REST (POST parameters)

uuid= string
```

appid (Required)

The app id, something like com.moodle.moodlemobile

```
General structure

string   //The app id, something like com.moodle.moodlemobile
```

```
XML-RPC (PHP structure)

[appid] => string
```

```
REST (POST parameters)

appid= string
```

publickey (Required)

the app generated public key

```
General structure

string   //the app generated public key
```

```
XML-RPC (PHP structure)

[publickey] => string
```

?

```
REST (POST parameters)

publickey= string
```

Response

```
General structure

object {
status int   //Whether the request was successful
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_user_update_user_preferences

Update a user's preferences

Arguments

userid (Default to "0")

id of the user, default to current user

```
General structure

int  Default to "0" //id of the user, default to current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

emailstop (Default to "null")

Enable or disable notifications for this user

```
General structure

int  Default to "null" //Enable or disable notifications for this user
```

```
XML-RPC (PHP structure)

[emailstop] => int
```

```
REST (POST parameters)

emailstop= int
```

preferences (Default to "Array ( ) ")

User preferences

?

```
General structure

 Default to "Array
(
)
" //User preferences
list of (
object {
type string   //The name of the preference
value string  Default to "null" //The value of the preference, do not set this field if you
                                want to remove (unset) the current value.
}
)
```

```
XML-RPC (PHP structure)

[preferences] =>
    Array
        (
        [0] =>
            Array
                (
                [type] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preferences[0][type]= string
preferences[0][value]= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_update_users

Update users.

Arguments

users (Required)

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //Username policy is defined in Moodle security config.
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
password string  Optional //Plain text password consisting of any characters
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
email string  Optional //A valid and unique email address
maildisplay int  Optional //Email visibility
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
description string  Optional //User profile description, no HTML
userpicture int  Optional //The itemid where the new user picture has been uploaded to, 0 to delete
firstnamephonetic string  Optional //The first name(s) phonetically of the user
lastnamephonetic string  Optional //The family name phonetically of the user
middlename string  Optional //The middle name of the user
alternatename string  Optional //The alternate name of the user
interests string  Optional //User interests (separated by commas)
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
institution string  Optional //Institution
department string  Optional //Department
phone1 string  Optional //Phone
phone2 string  Optional //Mobile phone
address string  Optional //Postal address
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
customfields  Optional //User custom fields (also known as user profil fields)
list of (
object {
type string   //The name of the custom field
value string   //The value of the custom field
}
)preferences  Optional //User preferences
list of (
object {
type string   //The name of the preference
value string   //The value of the preference
}
)}
)
```

?

XML-RPC (PHP structure)

```
[users] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [username] => string
                [auth] => string
                [suspended] => int
                [password] => string
                [firstname] => string
                [lastname] => string
                [email] => string
                [maildisplay] => int
                [city] => string
                [country] => string
                [timezone] => string
                [description] => string
                [userpicture] => int
                [firstnamephonetic] => string
                [lastnamephonetic] => string
                [middlename] => string
                [alternatename] => string
                [interests] => string
                [idnumber] => string
                [institution] => string
                [department] => string
                [phone1] => string
                [phone2] => string
                [address] => string
                [lang] => string
                [calendartype] => string
                [theme] => string
                [mailformat] => int
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                [preferences] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

users[0][id]= int
users[0][username]= string
users[0][auth]= string
users[0][suspended]= int
users[0][password]= string
users[0][firstname]= string
users[0][lastname]= string
users[0][email]= string
users[0][maildisplay]= int
users[0][city]= string
users[0][country]= string
users[0][timezone]= string
users[0][description]= string
users[0][userpicture]= int
users[0][firstnamephonetic]= string
users[0][lastnamephonetic]= string
users[0][middlename]= string
users[0][alternatename]= string
users[0][interests]= string
users[0][idnumber]= string
users[0][institution]= string
users[0][department]= string
users[0][phone1]= string
users[0][phone2]= string
users[0][address]= string
users[0][lang]= string
users[0][calendartype]= string
users[0][theme]= string
users[0][mailformat]= int
users[0][customfields][0][type]= string
users[0][customfields][0][value]= string
users[0][preferences][0][type]= string
users[0][preferences][0][value]= string
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_user_view_user_list

Simulates the web-interface view of user/index.php (triggering events),.

Arguments

courseid (Required)

id of the course, 0 for site

```
General structure

int   //id of the course, 0 for site
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

?

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

core_user_view_user_profile

Simulates the web-interface view of user/view.php and user/profile.php (triggering events),.

Arguments
userid (Required)

id of the user, 0 for current user

```
General structure

int   //id of the user, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

courseid (Default to "0")

id of the course, default site course

```
General structure

int  Default to "0" //id of the course, default site course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_webservice_get_site_info

Return some site info / user info / list web service functions

?

Arguments

serviceshortnames (Default to "Array ( ) ")

DEPRECATED PARAMETER - it was a design error in the original implementation. \ It is ignored now. (parameter kept for backward compatibility)

```
General structure

 Default to "Array
(
)
" //DEPRECATED PARAMETER - it was a design error in the original implementation. \
                    It is ignored now. (parameter kept for backward compatibility)
list of (
string   //service shortname
)
```

```
XML-RPC (PHP structure)

[serviceshortnames] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

serviceshortnames[0]= string
```

Response

?

```
General structure

object {
sitename string   //site name
username string   //username
firstname string   //first name
lastname string   //last name
fullname string   //user full name
lang string   //Current language.
userid int   //user id
siteurl string   //site url
userpictureurl string   //the user profile picture.
                    Warning: this url is the public URL that only works when forcelogin is set to NO and guestaccess is set to YES.
                    In order to retrieve user profile pictures independently of the Moodle config, replace "pluginfile.php" by
                    "webservice/pluginfile.php?token=WSTOKEN&file="
                    Of course the user can only see profile picture depending
                    on his/her permissions. Moreover it is recommended to use HTTPS too.
functions list of (
  //functions that are available
object {
name string   //function name
version string   //The version number of the component to which the function belongs
}
)downloadfiles int  Optional //1 if users are allowed to download files, 0 if not
uploadfiles int  Optional //1 if users are allowed to upload files, 0 if not
release string  Optional //Moodle release number
version string  Optional //Moodle version number
mobilecssurl string  Optional //Mobile custom CSS theme
advancedfeatures  Optional //Advanced features availability
list of (
  //Advanced features availabiLity
object {
name string   //feature name
value int   //feature value. Usually 1 means enabled.
}
)usercanmanageownfiles int  Optional //true if the user can manage his own files
userquota int  Optional //user quota (bytes). 0 means user can ignore the quota
usermaxuploadfilesize int  Optional //user max upload file size (bytes). -1 means the user can ignore the upload file size
userhomepage int  Optional //the default home page for the user: 0 for the site home, 1 for dashboard
userprivateaccesskey string  Optional //Private user access key for fetching files.
siteid int  Optional //Site course ID
sitecalendartype string  Optional //Calendar type set in the site.
usercalendartype string  Optional //Calendar typed used by the user.
userissiteadmin int  Optional //Whether the user is a site admin or not.
theme string  Optional //Current theme for the user.
limitconcurrentlogins int  Optional //Number of concurrent sessions allowed
usersessionscount int  Optional //Number of active sessions for current user.
                    Only returned when limitconcurrentlogins is used.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [sitename] => string
    [username] => string
    [firstname] => string
    [lastname] => string
    [fullname] => string
    [lang] => string
    [userid] => int
    [siteurl] => string
    [userpictureurl] => string
    [functions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [version] => string
                    )
            )
    [downloadfiles] => int
    [uploadfiles] => int
    [release] => string
    [version] => string
    [mobilecssurl] => string
    [advancedfeatures] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => int
                    )
            )
    [usercanmanageownfiles] => int
    [userquota] => int
    [usermaxuploadfilesize] => int
    [userhomepage] => int
    [userprivateaccesskey] => string
    [siteid] => int
    [sitecalendartype] => string
    [usercalendartype] => string
    [userissiteadmin] => int
    [theme] => string
    [limitconcurrentlogins] => int
    [usersessionscount] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="sitename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="username">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="firstname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="lastname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="lang">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="siteurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userpictureurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="functions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="version">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="downloadfiles">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="uploadfiles">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="release">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="version">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="mobilecssurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="advancedfeatures">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="usercanmanageownfiles">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userquota">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermaxuploadfilesize">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userhomepage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userprivateaccesskey">
            <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="siteid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sitecalendartype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="usercalendartype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userissiteadmin">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="theme">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="limitconcurrentlogins">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usersessionscount">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

core_xapi_delete_state

Delete an xAPI state data from an activityId.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityId (Required) ?

xAPI activity ID IRI

```
General structure

string   //xAPI activity ID IRI
```

```
XML-RPC (PHP structure)

[activityId] => string
```

```
REST (POST parameters)

activityId= string
```

agent (Required)

The xAPI agent json

```
General structure

string   //The xAPI agent json
```

```
XML-RPC (PHP structure)

[agent] => string
```

```
REST (POST parameters)

agent= string
```

stateId (Required)

The xAPI state ID

```
General structure

string   //The xAPI state ID
```

```
XML-RPC (PHP structure)

[stateId] => string
```

```
REST (POST parameters)

stateId= string
```

registration (Default to "null")

The xAPI registration UUID

```
General structure

string  Default to "null" //The xAPI registration UUID
```

```
XML-RPC (PHP structure)

[registration] => string
```

```
REST (POST parameters)

registration= string
```

Response

?

If the state data is deleted

```
General structure

int   //If the state data is deleted
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_xapi_delete_states

Delete all xAPI state data from an activityId.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityId (Required)

xAPI activity ID IRI

?

```
General structure

string   //xAPI activity ID IRI
```

```
XML-RPC (PHP structure)

[activityId] => string
```

```
REST (POST parameters)

activityId= string
```

agent (Required)

The xAPI agent json

```
General structure

string   //The xAPI agent json
```

```
XML-RPC (PHP structure)

[agent] => string
```

```
REST (POST parameters)

agent= string
```

registration (Default to "null")

The xAPI registration UUID

```
General structure

string  Default to "null" //The xAPI registration UUID
```

```
XML-RPC (PHP structure)

[registration] => string
```

```
REST (POST parameters)

registration= string
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

core_xapi_get_state

Get an xAPI state data from an activityId.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityId (Required)

xAPI activity ID IRI

```
General structure

string   //xAPI activity ID IRI
```

```
XML-RPC (PHP structure)

[activityId] => string
```

```
REST (POST parameters)

activityId= string
```

agent (Required)

The xAPI agent json

```
General structure

string   //The xAPI agent json
```

```
XML-RPC (PHP structure)

[agent] => string
```

```
REST (POST parameters)

agent= string
```

stateId (Required)

The xAPI state ID

```
General structure

string   //The xAPI state ID
```

?

```
XML-RPC (PHP structure)

[stateId] => string
```

```
REST (POST parameters)

stateId= string
```

registration (Default to "null")

The xAPI registration UUID

```
General structure

string  Default to "null" //The xAPI registration UUID
```

```
XML-RPC (PHP structure)

[registration] => string
```

```
REST (POST parameters)

registration= string
```

Response

The state data json

```
General structure

string   //The state data json
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_xapi_get_states

Get all state ID from an activityId.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityId (Required)

xAPI activity ID IRI

```
General structure

string   //xAPI activity ID IRI
```

```
XML-RPC (PHP structure)

[activityId] => string
```

```
REST (POST parameters)

activityId= string
```

agent (Required)

The xAPI agent json

```
General structure

string   //The xAPI agent json
```

```
XML-RPC (PHP structure)

[agent] => string
```

```
REST (POST parameters)

agent= string
```

registration (Default to "null")

The xAPI registration UUID

```
General structure

string  Default to "null" //The xAPI registration UUID
```

```
XML-RPC (PHP structure)

[registration] => string
```

?

```
REST (POST parameters)

registration= string
```

since (Default to "null")

Filter ids stored since the timestamp (exclusive)

```
General structure

string  Default to "null" //Filter ids stored since the timestamp (exclusive)
```

```
XML-RPC (PHP structure)

[since] => string
```

```
REST (POST parameters)

since= string
```

Response

List of state Ids

```
General structure

  //List of state Ids
list of (
string   //State ID
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <VALUE>string</VALUE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

core_xapi_post_state

Post an xAPI state into an activityId.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

activityId (Required)

xAPI activity ID IRI

```
General structure

string   //xAPI activity ID IRI
```

```
XML-RPC (PHP structure)

[activityId] => string
```

```
REST (POST parameters)

activityId= string
```

agent (Required)

The xAPI agent json

```
General structure

string   //The xAPI agent json
```

```
XML-RPC (PHP structure)

[agent] => string
```

```
REST (POST parameters)

agent= string
```

stateId (Required)

The xAPI state ID

```
General structure

string   //The xAPI state ID
```

?

```
XML-RPC (PHP structure)

[stateId] => string
```

```
REST (POST parameters)

stateId= string
```

stateData (Required)

JSON object with the state data

```
General structure

string   //JSON object with the state data
```

```
XML-RPC (PHP structure)

[stateData] => string
```

```
REST (POST parameters)

stateData= string
```

registration (Default to "null")

The xAPI registration UUID

```
General structure

string  Default to "null" //The xAPI registration UUID
```

```
XML-RPC (PHP structure)

[registration] => string
```

```
REST (POST parameters)

registration= string
```

Response

If the state is accepted

```
General structure

int   //If the state is accepted
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

core_xapi_statement_post

Post an xAPI statement.

Arguments

component (Required)

Component name

```
General structure

string   //Component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

requestjson (Required)

json object with all the statements to post

```
General structure

string   //json object with all the statements to post
```

```
XML-RPC (PHP structure)

[requestjson] => string
```

```
REST (POST parameters)

requestjson= string
```

Response

List of statements storing acceptance results

```
General structure

  //List of statements storing acceptance results
list of (
int   //If the statement is accepted
)
```

?

```
XML-RPC (PHP structure)


    Array
        (
        [0] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <VALUE>int</VALUE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

enrol_guest_get_instance_info

Return guest enrolment instance information.

Arguments

instanceid (Required)

Instance id of guest enrolment plugin.

```
General structure

int   //Instance id of guest enrolment plugin.
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

Response

?

General structure

```
object {
instanceinfo object {
id int   //Id of course enrolment instance
courseid int   //Id of course
type string   //Type of enrolment plugin
name string   //Name of enrolment plugin
status int   //Is the enrolment enabled?
passwordrequired int   //Is a password required?
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [instanceinfo] =>
            Array
                (
                [id] => int
                [courseid] => int
                [type] => string
                [name] => string
                [status] => int
                [passwordrequired] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="instanceinfo">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="courseid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="type">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="status">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="passwordrequired">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

enrol_guest_validate_password

Perform password validation.

?

Arguments

instanceid (Required)

instance id of guest enrolment plugin

```
General structure

int   //instance id of guest enrolment plugin
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

password (Required)

the course password

```
General structure

string   //the course password
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

Response

```
General structure

object {
validated int   //Whether the password was successfully validated
hint string  Optional //Password hint (if enabled)
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)

    Array
        (
        [validated] => int
        [hint] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="validated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hint">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

enrol_manual_enrol_users

Manual enrol users

Arguments

enrolments (Required)

?

```
General structure

list of (
object {
roleid int   //Role to assign to the user
userid int   //The user that is going to be enrolled
courseid int   //The course to enrol the user role in
timestart int  Optional //Timestamp when the enrolment start
timeend int  Optional //Timestamp when the enrolment end
suspend int  Optional //set to 1 to suspend the enrolment
}
)
```

```
XML-RPC (PHP structure)

[enrolments] =>
    Array
        (
        [0] =>
            Array
                (
                [roleid] => int
                [userid] => int
                [courseid] => int
                [timestart] => int
                [timeend] => int
                [suspend] => int
                )
        )
```

```
REST (POST parameters)

enrolments[0][roleid]= int
enrolments[0][userid]= int
enrolments[0][courseid]= int
enrolments[0][timestart]= int
enrolments[0][timeend]= int
enrolments[0][suspend]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

enrol_manual_unenrol_users

Manual unenrol users

Arguments

enrolments (Required) ?

```
General structure

list of (
object {
userid int   //The user that is going to be unenrolled
courseid int   //The course to unenrol the user from
roleid int  Optional //The user role
}
)
```

```
XML-RPC (PHP structure)

[enrolments] =>
    Array
        (
        [0] =>
            Array
                (
                [userid] => int
                [courseid] => int
                [roleid] => int
                )
        )
```

```
REST (POST parameters)

enrolments[0][userid]= int
enrolments[0][courseid]= int
enrolments[0][roleid]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

enrol_meta_add_instances

Add meta enrolment instances

Arguments

instances (Default to "Array ( ) ")

List of course meta enrolment instances to create.

?

```
General structure

 Default to "Array
(
)
" //List of course meta enrolment instances to create.
list of (
object {
metacourseid int   //ID of the course where meta enrolment is added.
courseid string   //ID of the course where meta enrolment is linked to.
creategroup int  Default to "" //Creates group in meta course named after linked course and puts all enrolled users in this group
}
)
```

```
XML-RPC (PHP structure)

[instances] =>
    Array
        (
        [0] =>
            Array
                (
                [metacourseid] => int
                [courseid] => string
                [creategroup] => int
                )
        )
```

```
REST (POST parameters)

instances[0][metacourseid]= int
instances[0][courseid]= string
instances[0][creategroup]= int
```

Response

List of course meta enrolment instances that were created.

```
General structure

 Default to "Array
(
)
" //List of course meta enrolment instances that were created.
list of (
object {
metacourseid int   //ID of the course where meta enrolment is added.
courseid string   //ID of the course where meta enrolment is linked to.
status int   //True on success, false if link already exists.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [metacourseid] => int
                [courseid] => string
                [status] => int
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="metacourseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

enrol_meta_delete_instances

Delete meta enrolment instances

Arguments

instances (Default to "Array ( ) ")

List of course meta enrolment instances to delete.

```
General structure

 Default to "Array
(
)
" //List of course meta enrolment instances to delete.
list of (
object {
metacourseid int   //ID of the course with meta enrolment.
courseid string   //ID of the course where meta enrolment is linked to.
}
)
```

?

```
XML-RPC (PHP structure)

[instances] =>
    Array
        (
        [0] =>
            Array
                (
                [metacourseid] => int
                [courseid] => string
                )
        )
```

```
REST (POST parameters)

instances[0][metacourseid]= int
instances[0][courseid]= string
```

Response

List of course meta enrolment instances that were deleted.

```
General structure

 Default to "Array
(
)
" //List of course meta enrolment instances that were deleted.
list of (
object {
metacourseid int   //ID of the course where meta enrolment is deleted.
courseid string   //ID of the course that was meta linked.
status int   //True on success, false if meta link did not exist.
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [metacourseid] => int
                [courseid] => string
                [status] => int
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="metacourseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

enrol_self_enrol_user

Self enrol the current user in the given course.

Arguments

courseid (Required)

Id of the course

```
General structure

int   //Id of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

password (Default to "")

Enrolment key

```
General structure

string  Default to "" //Enrolment key
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

instanceid (Default to "0")

Instance id of self enrolment plugin.

```
General structure

int  Default to "0" //Instance id of self enrolment plugin.
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

?

```
REST (POST parameters)

instanceid= int
```

Response

```
General structure

object {
status int   //status: true if the user is enrolled, false otherwise
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

enrol_self_get_instance_info

self enrolment instance information.

Arguments

instanceid (Required)

instance id of self enrolment plugin.

```
General structure

int   //instance id of self enrolment plugin.
```

```
XML-RPC (PHP structure)

[instanceid] => int
```

```
REST (POST parameters)

instanceid= int
```

Response

```
General structure

object {
id int   //id of course enrolment instance
courseid int   //id of course
type string   //type of enrolment plugin
name string   //name of enrolment plugin
status string   //status of enrolment plugin
enrolpassword string  Optional //password required for enrolment
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        [courseid] => int
        [type] => string
        [name] => string
        [status] => string
        [enrolpassword] => string
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="type">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="enrolpassword">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradereport_grader_get_users_in_report

Returns the dataset of users within the report

Arguments

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

?

Response

```
General structure

object {
users list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [username] => string
                    [firstname] => string
                    [lastname] => string
                    [fullname] => string
                    [email] => string
                    [address] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [idnumber] => string
                    [interests] => string
                    [firstaccess] => int
                    [lastaccess] => int
                    [auth] => string
                    [suspended] => int
                    [confirmed] => int
                    [lang] => string
                    [calendartype] => string
                    [theme] => string
                    [timezone] => string
                    [mailformat] => int
                    [description] => string
                    [descriptionformat] => int
                    [city] => string
                    [country] => string
                    [profileimageurlsmall] => string
                    [profileimageurl] => string
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [type] => string
                                    [value] => string
                                    [displayvalue] => string
                                    [name] => string
                                    [shortname] => string
                                    )
                            )
                    [preferences] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [name] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="username">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lastname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="address">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="department">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="institution">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="interests">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="firstaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="auth">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="suspended">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="confirmed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="calendartype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="theme">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timezone">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mailformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="city">
                        <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="country">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="customfields">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="displayvalue">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="preferences">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

gradereport_overview_get_course_grades

Get the given user courses final grades

Arguments
userid (Default to "0")

Get grades for this user (optional, default current)

```
General structure

int  Default to "0" //Get grades for this user (optional, default current)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
grades list of (
object {
courseid int   //Course id
grade string   //Grade formatted
rawgrade string   //Raw grade, not formatted
rank int  Optional //Your rank in the course
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [grades] =>
        Array
            (
            [0] =>
                Array
                    (
                    [courseid] => int
                    [grade] => string
                    [rawgrade] => string
                    [rank] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="grades">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rawgrade">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rank">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradereport_overview_view_grade_report

Trigger the report view event

Arguments

courseid (Required)

id of the course

```
General structure

int   //id of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

id of the user, 0 means current user

```
General structure

int  Default to "0" //id of the user, 0 means current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

gradereport_singleview_get_grade_items_for_search_widget

Get the gradeitem/(s) for a course

Arguments
courseid (Required)

Course Id

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
gradeitems list of (
object {
id int  Optional //ID of the grade item
name string  Optional //The full name of the grade item
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [gradeitems] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="gradeitems">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

gradereport_user_get_access_information

Returns user access information for the user grade report.

Arguments
courseid (Required)

Course to check.

```
General structure

int   //Course to check.
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
canviewusergradereport int   //Whether the user can view the user grade report.
canviewmygrades int   //Whether the user can view his grades in the course.
canviewallgrades int   //Whether the user can view all users grades in the course.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)

    Array
        (
        [canviewusergradereport] => int
        [canviewmygrades] => int
        [canviewallgrades] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canviewusergradereport">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewmygrades">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewallgrades">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradereport_user_get_grade_items

Returns the complete list of grade items for users in a course

Arguments

courseid (Required)

Course Id

```
General structure

int   //Course Id
```

?

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

Return grades only for this user (optional)

```
General structure

int  Default to "0" //Return grades only for this user (optional)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupid (Default to "0")

Get users from this group only

```
General structure

int  Default to "0" //Get users from this group only
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
usergrades list of (
object {
courseid int   //course id
courseidnumber string   //course idnumber
userid int   //user id
userfullname string   //user fullname
useridnumber string   //user idnumber
maxdepth int   //table max depth (needed for printing it)
gradeitems list of (
  //Grade items
object {
id int   //Grade item id
itemname string   //Grade item name
itemtype string   //Grade item type
itemmodule string   //Grade item module
iteminstance int   //Grade item instance
itemnumber int   //Grade item item number
idnumber string   //Grade item idnumber
categoryid int   //Grade item category id
outcomeid int   //Outcome id
scaleid int   //Scale id
locked int  Optional //Grade item for user locked?
cmid int  Optional //Course module id (if type mod)
weightraw double  Optional //Weight raw
weightformatted string  Optional //Weight
status string  Optional //Status
graderaw double  Optional //Grade raw
gradedatesubmitted int  Optional //Grade submit date
gradedategraded int  Optional //Grade graded date
gradehiddenbydate int  Optional //Grade hidden by date?
gradeneedsupdate int  Optional //Grade needs update?
gradeishidden int  Optional //Grade is hidden?
gradeislocked int  Optional //Grade is locked?
gradeisoverridden int  Optional //Grade overridden?
gradeformatted string  Optional //The grade formatted
grademin double  Optional //Grade min
grademax double  Optional //Grade max
rangeformatted string  Optional //Range formatted
percentageformatted string  Optional //Percentage
lettergradeformatted string  Optional //Letter grade
rank int  Optional //Rank in the course
numusers int  Optional //Num users in course
averageformatted string  Optional //Grade average
feedback string  Optional //Grade feedback
feedbackformat int  Optional //feedback format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [usergrades] =>
        Array
            (
            [0] =>
                Array
                    (
                    [courseid] => int
                    [courseidnumber] => string
                    [userid] => int
                    [userfullname] => string
                    [useridnumber] => string
                    [maxdepth] => int
                    [gradeitems] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [itemname] => string
                                    [itemtype] => string
                                    [itemmodule] => string
                                    [iteminstance] => int
                                    [itemnumber] => int
                                    [idnumber] => string
                                    [categoryid] => int
                                    [outcomeid] => int
                                    [scaleid] => int
                                    [locked] => int
                                    [cmid] => int
                                    [weightraw] => double
                                    [weightformatted] => string
                                    [status] => string
                                    [graderaw] => double
                                    [gradedatesubmitted] => int
                                    [gradedategraded] => int
                                    [gradehiddenbydate] => int
                                    [gradeneedsupdate] => int
                                    [gradeishidden] => int
                                    [gradeislocked] => int
                                    [gradeisoverridden] => int
                                    [gradeformatted] => string
                                    [grademin] => double
                                    [grademax] => double
                                    [rangeformatted] => string
                                    [percentageformatted] => string
                                    [lettergradeformatted] => string
                                    [rank] => int
                                    [numusers] => int
                                    [averageformatted] => string
                                    [feedback] => string
                                    [feedbackformat] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usergrades">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseidnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="useridnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxdepth">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="gradeitems">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="itemname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="itemtype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="itemmodule">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="iteminstance">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="itemnumber">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="idnumber">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="categoryid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="outcomeid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="scaleid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="locked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="cmid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="weightraw">
                                    <VALUE>double</VALUE>
                                </KEY>
                                <KEY name="weightformatted">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="status">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="graderaw">
                                    <VALUE>double</VALUE>
                                </KEY>
                                <KEY name="gradedatesubmitted">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="gradedategraded">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="gradehiddenbydate">
                                    <VALUE>int</VALUE>
```


?

```
                            </KEY>
                            <KEY name="gradeneedsupdate">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="gradeishidden">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="gradeislocked">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="gradeisoverridden">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="gradeformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="grademin">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="grademax">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="rangeformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="percentageformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="lettergradeformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="rank">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="numusers">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="averageformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="feedback">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="feedbackformat">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradereport_user_get_grades_table

Get the user/s report grades table for a course

Arguments

courseid (Required)

Course Id

```
General structure

int   //Course Id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Default to "0")

Return grades only for this user (optional)

```
General structure

int  Default to "0" //Return grades only for this user (optional)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupid (Default to "0")

Get users from this group only

```
General structure

int  Default to "0" //Get users from this group only
```

```
XML-RPC (PHP structure)

[groupid] => int
```

?

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
tables list of (
object {
courseid int   //course id
userid int   //user id
userfullname string   //user fullname
maxdepth int   //table max depth (needed for printing it)
tabledata list of (
  //table
object {
itemname  Optional //The item returned data
object {
class string   //class
colspan int   //col span
content string   //cell content
id string   //id
}
leader  Optional //The item returned data
object {
class string   //class
rowspan int   //row span
}
weight  Optional //weight column
object {
class string   //class
content string   //cell content
headers string   //headers
}
grade  Optional //grade column
object {
class string   //class
content string   //cell content
headers string   //headers
}
range  Optional //range column
object {
class string   //class
content string   //cell content
headers string   //headers
}
percentage  Optional //percentage column
object {
class string   //class
content string   //cell content
headers string   //headers
}
lettergrade  Optional //lettergrade column
object {
class string   //class
content string   //cell content
headers string   //headers
}
rank  Optional //rank column
object {
class string   //class
content string   //cell content
headers string   //headers
}
average  Optional //average column
object {
class string   //class
content string   //cell content
headers string   //headers
}
feedback  Optional //feedback column
object {
class string   //class
content string   //cell content
headers string   //headers
}
contributiontocoursetotal  Optional //contributiontocoursetotal column
object {
class string   //class
content string   //cell content
headers string   //headers
}
parentcategories list of (
int   //Parent grade category ID.
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
```

?

```
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [tables] =>
        Array
            (
            [0] =>
                Array
                    (
                    [courseid] => int
                    [userid] => int
                    [userfullname] => string
                    [maxdepth] => int
                    [tabledata] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [itemname] =>
                                        Array
                                            (
                                            [class] => string
                                            [colspan] => int
                                            [content] => string
                                            [id] => string
                                            )
                                    [leader] =>
                                        Array
                                            (
                                            [class] => string
                                            [rowspan] => int
                                            )
                                    [weight] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [grade] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [range] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [percentage] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [lettergrade] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [rank] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [average] =>
                                        Array
                                            (
                                            [class] => string
                                            [content] => string
                                            [headers] => string
                                            )
                                    [feedback] =>
```

?

```
                                    Array
                                        (
                                        [class] => string
                                        [content] => string
                                        [headers] => string
                                        )
                                [contributiontocoursetotal] =>
                                    Array
                                        (
                                        [class] => string
                                        [content] => string
                                        [headers] => string
                                        )
                                [parentcategories] =>
                                    Array
                                        (
                                        [0] => int
                                        )
                                )
                            )
                        )
                    )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="tables">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxdepth">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tabledata">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="itemname">
                                    <SINGLE>
                                        <KEY name="class">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="colspan">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="content">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="id">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="leader">
                                    <SINGLE>
                                        <KEY name="class">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="rowspan">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="weight">
                                    <SINGLE>
                                        <KEY name="class">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="content">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="headers">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="grade">
                                    <SINGLE>
                                        <KEY name="class">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="content">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="headers">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="range">
                                    <SINGLE>
                                        <KEY name="class">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="content">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="headers">
                                            <VALUE>string</VALUE>
```


?

```
        </KEY>
    </SINGLE>
</KEY>
<KEY name="percentage">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="lettergrade">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="rank">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="average">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="feedback">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="contributiontocoursetotal">
    <SINGLE>
        <KEY name="class">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="headers">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="parentcategories">
    <MULTIPLE>
        <VALUE>int</VALUE>
    </MULTIPLE>
```


?

```
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradereport_user_view_grade_report

Trigger the report view event

Arguments

courseid (Required)

id of the course

```
General structure

int   //id of the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

?

userid (Default to "0")

id of the user, 0 means current user

```
General structure

int  Default to "0" //id of the user, 0 means current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

gradingform_guide_grader_gradingpanel_fetch

Fetch the data required to display the grader grading panel, creating the grade item if required

Arguments

component (Required)

The name of the component

General structure

```
string   //The name of the component
```

XML-RPC (PHP structure)

```
[component] => string
```

?

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

Response

?

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
instanceid int   //The id of the current grading instance
criterion   //The criterion by which this item will be graded
list of (
object {
id int   //The id of the criterion
name string   //The name of the criterion
maxscore double   //The maximum score for this criterion
description string   //The description of the criterion
descriptionmarkers string   //The description of the criterion for markers
score double  Optional //The current score for user being assessed
remark string  Optional //Any remarks for this criterion for the user being assessed
}
)hascomments int   //Whether there are any frequently-used comments
comments   //Frequently used comments
list of (
object {
id int   //Comment id
sortorder int   //The sortorder of this comment
description string   //The comment value
}
)usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templatename] => string
    [hasgrade] => int
    [grade] =>
        Array
            (
            [instanceid] => int
            [criterion] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [maxscore] => double
                            [description] => string
                            [descriptionmarkers] => string
                            [score] => double
                            [remark] => string
                            )
                    )
            [hascomments] => int
            [comments] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [sortorder] => int
                            [description] => string
                            )
                    )
            [usergrade] => string
            [maxgrade] => string
            [gradedby] => string
            [timecreated] => int
            [timemodified] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="instanceid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="criterion">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="maxscore">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="descriptionmarkers">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="score">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="remark">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="hascomments">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="comments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="sortorder">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
```


?

```
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

gradingform_guide_grader_gradingpanel_store

Store the grading data for a user from the grader grading panel.

Arguments

component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

?

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

notifyuser (Default to "")

Wheteher to notify the user or not

```
General structure

int  Default to "" //Wheteher to notify the user or not
```

```
XML-RPC (PHP structure)

[notifyuser] => int
```

```
REST (POST parameters)

notifyuser= int
```

formdata (Required)

The serialised form data representing the grade

```
General structure

string   //The serialised form data representing the grade
```

```
XML-RPC (PHP structure)

[formdata] => string
```

?

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
instanceid int   //The id of the current grading instance
criterion   //The criterion by which this item will be graded
list of (
object {
id int   //The id of the criterion
name string   //The name of the criterion
maxscore double   //The maximum score for this criterion
description string   //The description of the criterion
descriptionmarkers string   //The description of the criterion for markers
score double  Optional //The current score for user being assessed
remark string  Optional //Any remarks for this criterion for the user being assessed
}
)hascomments int   //Whether there are any frequently-used comments
comments   //Frequently used comments
list of (
object {
id int   //Comment id
sortorder int   //The sortorder of this comment
description string   //The comment value
}
)usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timecreated int   //The time that the grade was created
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templatename] => string
    [hasgrade] => int
    [grade] =>
        Array
            (
            [instanceid] => int
            [criterion] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [maxscore] => double
                            [description] => string
                            [descriptionmarkers] => string
                            [score] => double
                            [remark] => string
                            )
                    )
            [hascomments] => int
            [comments] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [sortorder] => int
                            [description] => string
                            )
                    )
            [usergrade] => string
            [maxgrade] => string
            [gradedby] => string
            [timecreated] => int
            [timemodified] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="instanceid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="criterion">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="maxscore">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="descriptionmarkers">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="score">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="remark">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="hascomments">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="comments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="sortorder">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
```


?

```
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

gradingform_rubric_grader_gradingpanel_fetch

Fetch the data required to display the grader grading panel, creating the grade item if required

Arguments

component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

?

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

Response

?

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
instanceid int   //The id of the current grading instance
rubricmode string   //The mode i.e. evaluate editable
canedit int   //Can the user edit this
criteria list of (
object {
id int   //ID of the Criteria
description string   //Description of the Criteria
remark string  Optional //Any remarks for this criterion for the user being assessed
levels list of (
object {
id int   //ID of level
criterionid int   //ID of the criterion this matches to
score string   //What this level is worth
definition string   //Definition of the level
checked int   //Selected flag
}
)}
)timecreated int   //The time that the grade was created
usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templatename] => string
    [hasgrade] => int
    [grade] =>
        Array
            (
            [instanceid] => int
            [rubricmode] => string
            [canedit] => int
            [criteria] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [description] => string
                            [remark] => string
                            [levels] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [criterionid] => int
                                            [score] => string
                                            [definition] => string
                                            [checked] => int
                                            )
                                    )
                            )
                    )
            [timecreated] => int
            [usergrade] => string
            [maxgrade] => string
            [gradedby] => string
            [timemodified] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="instanceid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rubricmode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="canedit">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="criteria">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="remark">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="levels">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="criterionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="score">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="definition">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="checked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

gradingform_rubric_grader_gradingpanel_store

Store the grading data for a user from the grader grading panel.

Arguments

component (Required)

The name of the component

```
General structure

string   //The name of the component
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

contextid (Required)

The ID of the context being graded

```
General structure

int   //The ID of the context being graded
```

```
XML-RPC (PHP structure)

[contextid] => int
```

?

```
REST (POST parameters)

contextid= int
```

itemname (Required)

The grade item itemname being graded

```
General structure

string   //The grade item itemname being graded
```

```
XML-RPC (PHP structure)

[itemname] => string
```

```
REST (POST parameters)

itemname= string
```

gradeduserid (Required)

The ID of the user show

```
General structure

int   //The ID of the user show
```

```
XML-RPC (PHP structure)

[gradeduserid] => int
```

```
REST (POST parameters)

gradeduserid= int
```

notifyuser (Default to "")

Wheteher to notify the user or not

```
General structure

int  Default to "" //Wheteher to notify the user or not
```

```
XML-RPC (PHP structure)

[notifyuser] => int
```

```
REST (POST parameters)

notifyuser= int
```

formdata (Required)

The serialised form data representing the grade

```
General structure

string   //The serialised form data representing the grade
```

```
XML-RPC (PHP structure)

[formdata] => string
```

?

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
templatename string   //The template to use when rendering this data
hasgrade int   //Does the user have a grade?
grade object {
instanceid int   //The id of the current grading instance
rubricmode string   //The mode i.e. evaluate editable
canedit int   //Can the user edit this
criteria list of (
object {
id int   //ID of the Criteria
description string   //Description of the Criteria
remark string  Optional //Any remarks for this criterion for the user being assessed
levels list of (
object {
id int   //ID of level
criterionid int   //ID of the criterion this matches to
score string   //What this level is worth
definition string   //Definition of the level
checked int   //Selected flag
}
)}
)timecreated int   //The time that the grade was created
usergrade string   //Current user grade
maxgrade string   //Max possible grade
gradedby string   //The assumed grader of this grading instance
timemodified int   //The time that the grade was last updated
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templatename] => string
    [hasgrade] => int
    [grade] =>
        Array
            (
            [instanceid] => int
            [rubricmode] => string
            [canedit] => int
            [criteria] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [description] => string
                            [remark] => string
                            [levels] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [criterionid] => int
                                            [score] => string
                                            [definition] => string
                                            [checked] => int
                                            )
                                    )
                            )
                    )
            [timecreated] => int
            [usergrade] => string
            [maxgrade] => string
            [gradedby] => string
            [timemodified] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templatename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <SINGLE>
                <KEY name="instanceid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rubricmode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="canedit">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="criteria">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="remark">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="levels">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="criterionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="score">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="definition">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="checked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usergrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxgrade">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradedby">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

media_videojs_get_language

get language.

Arguments

lang (Required)

language

```
General structure

string   //language
```

```
XML-RPC (PHP structure)

[lang] => string
```

```
REST (POST parameters)

lang= string
```

Response

language pack json

```
General structure

string   //language pack json
```

```
XML-RPC (PHP structure)

 string
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

message_airnotifier_are_notification_preferences_configured

Check if the users have notification preferences configured yet

Arguments

userids (Required)

```
General structure

list of (
int   //user ID
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

Response

?

```
General structure

object {
users   //list of preferences by user
list of (
object {
userid int   //userid id
configured int   //1 if the user preferences have been configured and 0 if not
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [users] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [userid] => int
                        [configured] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="configured">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

message_airnotifier_enable_device

Enables or disables a registered user device so it can receive Push notifications

Arguments

deviceid (Required)

The device id

```
General structure

int   //The device id
```

?

```
XML-RPC (PHP structure)

[deviceid] => int
```

```
REST (POST parameters)

deviceid= int
```

enable (Required)

True for enable the device, false otherwise

```
General structure

int   //True for enable the device, false otherwise
```

```
XML-RPC (PHP structure)

[enable] => int
```

```
REST (POST parameters)

enable= int
```

Response

```
General structure

object {
success int   //True if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [success] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

message_airnotifier_get_user_devices

Return the list of mobile devices that are registered in Moodle for the given user

Arguments

appid (Required)

App unique id (usually a reversed domain)

```
General structure

string   //App unique id (usually a reversed domain)
```

```
XML-RPC (PHP structure)

[appid] => string
```

?

```
REST (POST parameters)

appid= string
```

userid (Default to "0")

User id, 0 for current user

```
General structure

int  Default to "0" //User id, 0 for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
devices   //List of devices
list of (
object {
id int   //Device id (in the message_airnotifier table)
appid string   //The app id, something like com.moodle.moodlemobile
name string   //The device name, 'occam' or 'iPhone' etc.
model string   //The device model 'Nexus4' or 'iPad1,1' etc.
platform string   //The device platform 'iOS' or 'Android' etc.
version string   //The device version '6.1.2' or '4.2.2' etc.
pushid string   //The device PUSH token/key/identifier/registration id
uuid string   //The device UUID
enable int   //Whether the device is enabled or not
timecreated int   //Time created
timemodified int   //Time modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [devices] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [appid] => string
                    [name] => string
                    [model] => string
                    [platform] => string
                    [version] => string
                    [pushid] => string
                    [uuid] => string
                    [enable] => int
                    [timecreated] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="devices">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="appid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="model">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="platform">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="version">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="pushid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="uuid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="enable">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

message_airnotifier_is_system_configured

Check whether the airnotifier settings have been configured

Arguments

Response

0 if the system is not configured, 1 otherwise

```
General structure

int   //0 if the system is not configured, 1 otherwise
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

message_popup_get_popup_notifications

Retrieve a list of popup notifications for a user

Arguments

useridto (Required)

the user id who received the message, 0 for current user

?

```
General structure

int   //the user id who received the message, 0 for current user
```

```
XML-RPC (PHP structure)

[useridto] => int
```

```
REST (POST parameters)

useridto= int
```

newestfirst (Default to "1")

true for ordering by newest first, false for oldest first

```
General structure

int  Default to "1" //true for ordering by newest first, false for oldest first
```

```
XML-RPC (PHP structure)

[newestfirst] => int
```

```
REST (POST parameters)

newestfirst= int
```

limit (Default to "0")

the number of results to return

```
General structure

int  Default to "0" //the number of results to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

offset (Default to "0")

offset the result set by a given amount

```
General structure

int  Default to "0" //offset the result set by a given amount
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

Response

?

```
General structure

object {
notifications list of (
  //message
object {
id int   //Notification id (this is not guaranteed to be unique
                              within this result set)
useridfrom int   //User from id
useridto int   //User to id
subject string   //The notification subject
shortenedsubject string   //The notification subject shortened
                              with ellipsis
text string   //The message text formated
fullmessage string   //The message
fullmessageformat int   //fullmessage format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
fullmessagehtml string   //The message in html
smallmessage string   //The shorten message
contexturl string   //Context URL
contexturlname string   //Context URL link name
timecreated int   //Time created
timecreatedpretty string   //Time created in a pretty format
timeread int   //Time read
read int   //notification read status
deleted int   //notification deletion status
iconurl string   //URL for notification icon
component string  Optional //The component that generated the notification
eventtype string  Optional //The type of notification
customdata string  Optional //Custom data to be passed to the message processor.
                              The data here is serialised using json_encode().
}
)unreadcount int   //the number of unread message for the given user
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [notifications] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [useridfrom] => int
                        [useridto] => int
                        [subject] => string
                        [shortenedsubject] => string
                        [text] => string
                        [fullmessage] => string
                        [fullmessageformat] => int
                        [fullmessagehtml] => string
                        [smallmessage] => string
                        [contexturl] => string
                        [contexturlname] => string
                        [timecreated] => int
                        [timecreatedpretty] => string
                        [timeread] => int
                        [read] => int
                        [deleted] => int
                        [iconurl] => string
                        [component] => string
                        [eventtype] => string
                        [customdata] => string
                        )
                )
        [unreadcount] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="notifications">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useridfrom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useridto">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortenedsubject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullmessage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullmessageformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullmessagehtml">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="smallmessage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contexturl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contexturlname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreatedpretty">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timeread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="read">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="deleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iconurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="eventtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="customdata">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="unreadcount">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

message_popup_get_unread_popup_notification_count

Retrieve the count of unread popup notifications for a given user

Arguments

useridto (Required)

the user id who received the message, 0 for any user

General structure

```
int   //the user id who received the message, 0 for any user
```

XML-RPC (PHP structure)

```
[useridto] => int
```

REST (POST parameters)

```
useridto= int
```

Response

The count of unread popup notifications

General structure

```
int   //The count of unread popup notifications
```

XML-RPC (PHP structure)

```
 int
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_assign_copy_previous_attempt

Copy a students previous attempt to a new attempt.

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [item] => string
            [itemid] => int
            [warningcode] => string
            [message] => string
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_get_assignments

Returns the courses and assignments for the users capability

Arguments

courseids (Default to "Array ( ) ")

0 or more course ids

?

```
General structure

 Default to "Array
(
)
" //0 or more course ids
list of (
int   //course id, empty for retrieving all the courses where the user is enroled in
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

capabilities (Default to "Array ( ) ")

list of capabilities used to filter courses

```
General structure

 Default to "Array
(
)
" //list of capabilities used to filter courses
list of (
string   //capability
)
```

```
XML-RPC (PHP structure)

[capabilities] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

capabilities[0]= string
```

includenotenrolledcourses (Default to "")

whether to return courses that the user can see even if is not enroled in. This requires the parameter courseids to not be empty.

```
General structure

int  Default to "" //whether to return courses that the user can see
                                                                    even if is not enroled in. This requires the parameter courseids
                                                                    to not be empty.
```

```
XML-RPC (PHP structure)

[includenotenrolledcourses] => int
```

```
REST (POST parameters)

includenotenrolledcourses= int
```

Response

?

```
General structure

object {
courses   //List of courses
list of (
  //course information object
object {
id int   //course id
fullname string   //course full name
shortname string   //course short name
timemodified int   //last time modified
assignments   //assignment info
list of (
  //assignment information object
object {
id int   //assignment id
cmid int   //course module id
course int   //course id
name string   //assignment name
nosubmissions int   //no submissions
submissiondrafts int   //submissions drafts
sendnotifications int   //send notifications
sendlatenotifications int   //send notifications
sendstudentnotifications int   //send student notifications (default)
duedate int   //assignment due date
allowsubmissionsfromdate int   //allow submissions from date
grade int   //grade type
timemodified int   //last time assignment was modified
completionsubmit int   //if enabled, set activity as complete following submission
cutoffdate int   //date after which submission is not accepted without an extension
gradingduedate int   //the expected date for marking the submissions
teamsubmission int   //if enabled, students submit as a team
requireallteammemberssubmit int   //if enabled, all team members must submit
teamsubmissiongroupingid int   //the grouping id for the team submission groups
blindmarking int   //if enabled, hide identities until reveal identities actioned
hidegrader int   //If enabled, hide grader to student
revealidentities int   //show identities for a blind marking assignment
attemptreopenmethod string   //method used to control opening new attempts
maxattempts int   //maximum number of attempts allowed
markingworkflow int   //enable marking workflow
markingallocation int   //enable marking allocation
requiresubmissionstatement int   //student must accept submission statement
preventsubmissionnotingroup int  Optional //Prevent submission not in group
submissionstatement string  Optional //Submission statement formatted.
submissionstatementformat int  Optional //submissionstatement format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
configs   //configuration settings
list of (
  //assignment configuration object
object {
id int  Optional //assign_plugin_config id
assignment int  Optional //assignment id
plugin string   //plugin
subtype string   //subtype
name string   //name
value string   //value
}
)intro string  Optional //assignment intro, not allways returned because it deppends on the activity configuration
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction text
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)introattachments  Optional //intro attachments files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)activity string  Optional //Description of activity
```

?

```
activityformat int  Optional //activity format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
activityattachments  Optional //Files from activity field
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timelimit int  Optional //Time limit to complete assigment
submissionattachments int  Optional //Flag to only show files during submission
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item can be 'course' (errorcode 1 or 2) or 'module' (errorcode 1)
itemid int  Optional //When item is a course then itemid is a course id. When the item is a module then itemid is a module id
warningcode string   //errorcode can be 1 (no access rights) or 2 (not enrolled or no permissions)
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [timemodified] => int
                    [assignments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [cmid] => int
                                    [course] => int
                                    [name] => string
                                    [nosubmissions] => int
                                    [submissiondrafts] => int
                                    [sendnotifications] => int
                                    [sendlatenotifications] => int
                                    [sendstudentnotifications] => int
                                    [duedate] => int
                                    [allowsubmissionsfromdate] => int
                                    [grade] => int
                                    [timemodified] => int
                                    [completionsubmit] => int
                                    [cutoffdate] => int
                                    [gradingduedate] => int
                                    [teamsubmission] => int
                                    [requireallteammemberssubmit] => int
                                    [teamsubmissiongroupingid] => int
                                    [blindmarking] => int
                                    [hidegrader] => int
                                    [revealidentities] => int
                                    [attemptreopenmethod] => string
                                    [maxattempts] => int
                                    [markingworkflow] => int
                                    [markingallocation] => int
                                    [requiresubmissionstatement] => int
                                    [preventsubmissionnotingroup] => int
                                    [submissionstatement] => string
                                    [submissionstatementformat] => int
                                    [configs] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [assignment] => int
                                                    [plugin] => string
                                                    [subtype] => string
                                                    [name] => string
                                                    [value] => string
                                                    )
                                            )
                                    [intro] => string
                                    [introformat] => int
                                    [introfiles] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    [introattachments] =>
                                        Array
```

?

```
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [filename] => string
                                            [filepath] => string
                                            [filesize] => int
                                            [fileurl] => string
                                            [timemodified] => int
                                            [mimetype] => string
                                            [isexternalfile] => int
                                            [repositorytype] => string
                                            )
                                    )
                                [activity] => string
                                [activityformat] => int
                                [activityattachments] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [filename] => string
                                                [filepath] => string
                                                [filesize] => int
                                                [fileurl] => string
                                                [timemodified] => int
                                                [mimetype] => string
                                                [isexternalfile] => int
                                                [repositorytype] => string
                                                )
                                        )
                                [timelimit] => int
                                [submissionattachments] => int
                                )
                            )
                        )
                    )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="assignments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="cmid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="course">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="nosubmissions">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="submissiondrafts">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="sendnotifications">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="sendlatenotifications">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="sendstudentnotifications">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="duedate">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="allowsubmissionsfromdate">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="grade">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="completionsubmit">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="cutoffdate">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="gradingduedate">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="teamsubmission">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="requireallteammemberssubmit">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="teamsubmissiongroupingid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="blindmarking">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="hidegrader">
                                    <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="revealidentities">
    <VALUE>int</VALUE>
</KEY>
<KEY name="attemptreopenmethod">
    <VALUE>string</VALUE>
</KEY>
<KEY name="maxattempts">
    <VALUE>int</VALUE>
</KEY>
<KEY name="markingworkflow">
    <VALUE>int</VALUE>
</KEY>
<KEY name="markingallocation">
    <VALUE>int</VALUE>
</KEY>
<KEY name="requiresubmissionstatement">
    <VALUE>int</VALUE>
</KEY>
<KEY name="preventsubmissionnotingroup">
    <VALUE>int</VALUE>
</KEY>
<KEY name="submissionstatement">
    <VALUE>string</VALUE>
</KEY>
<KEY name="submissionstatementformat">
    <VALUE>int</VALUE>
</KEY>
<KEY name="configs">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assignment">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="plugin">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="subtype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="value">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="intro">
    <VALUE>string</VALUE>
</KEY>
<KEY name="introformat">
    <VALUE>int</VALUE>
</KEY>
<KEY name="introfiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="introattachments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="activity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="activityformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="activityattachments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="timelimit">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissionattachments">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
</SINGLE>
</MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_get_grades

Returns grades from the assignment

Arguments

assignmentids (Required)

1 or more assignment ids

```
General structure

  //1 or more assignment ids
list of (
int   //assignment id
)
```

```
XML-RPC (PHP structure)

[assignmentids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

assignmentids[0]= int
```

since (Default to "0")

timestamp, only return records where timemodified >= since

?

```
General structure

int  Default to "0" //timestamp, only return records where timemodified >= since
```

```
XML-RPC (PHP structure)

[since] => int
```

```
REST (POST parameters)

since= int
```

Response

```
General structure

object {
assignments   //list of assignment grade information
list of (
object {
assignmentid int   //assignment id
grades list of (
  //grade information
object {
id int   //grade id
assignment int  Optional //assignment id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //grade creation time
timemodified int   //grade last modified time
grader int   //grader, -1 if grader is hidden
grade string   //grade
gradefordisplay string  Optional //grade rendered into a format suitable for display
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'assignment'
itemid int  Optional //when errorcode is 3 then itemid is an assignment id. When errorcode is 1, itemid is a course module id
warningcode string   //errorcode can be 3 (no grades found) or 1 (no permission to get grades)
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assignments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [assignmentid] => int
                    [grades] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [assignment] => int
                                    [userid] => int
                                    [attemptnumber] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [grader] => int
                                    [grade] => string
                                    [gradefordisplay] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assignments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="assignmentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grades">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="assignment">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="attemptnumber">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="grader">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="grade">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="gradefordisplay">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_get_participant

Get a participant for an assignment, with some summary info about their submissions.

Arguments

assignid (Required)

assign instance id

```
General structure

int   //assign instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

userid (Required)

user id

```
General structure

int   //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

embeduser (Default to "")

user id

```
General structure

int  Default to "" //user id
```

```
XML-RPC (PHP structure)

[embeduser] => int
```

```
REST (POST parameters)

embeduser= int
```

?

Response

```
General structure

object {
id int   //ID of the user
fullname string   //The fullname of the user
submitted int   //have they submitted their assignment
requiregrading int   //is their submission waiting for grading
grantedextension int   //have they been granted an extension
blindmarking int   //is blind marking enabled for this assignment
allowsubmissionsfromdate int   //allowsubmissionsfromdate for the user
duedate int   //duedate for the user
cutoffdate int   //cutoffdate for the user
duedatestr string   //duedate for the user
groupid int  Optional //for group assignments this is the group id
groupname string  Optional //for group assignments this is the group name
submissionstatus string  Optional //The submission status (new, draft, reopened or submitted).
                Empty when not submitted.
user object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //An email address - allow email as root@localhost
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
auth string  Optional //Auth plugins include manual, ldap, etc
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
confirmed int  Optional //Active user: 1 if confirmed, 0 otherwise
lang string  Optional //Language code such as "en", must exist on server
calendartype string  Optional //Calendar type such as "gregorian", must exist on server
theme string  Optional //Theme name such as "standard", must exist on server
timezone string  Optional //Timezone code such as Australia/Perth, or 99 for default
mailformat int  Optional //Mail format code is 0 for plain text, 1 for HTML etc
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string   //User image profile URL - small version
profileimageurl string   //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [fullname] => string
    [submitted] => int
    [requiregrading] => int
    [grantedextension] => int
    [blindmarking] => int
    [allowsubmissionsfromdate] => int
    [duedate] => int
    [cutoffdate] => int
    [duedatestr] => string
    [groupid] => int
    [groupname] => string
    [submissionstatus] => string
    [user] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [suspended] => int
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="submitted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="requiregrading">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grantedextension">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="blindmarking">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="allowsubmissionsfromdate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cutoffdate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedatestr">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="groupid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="groupname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="submissionstatus">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="user">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="username">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="firstname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="lastname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="address">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="institution">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="interests">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="auth">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="confirmed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="calendartype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="theme">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timezone">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mailformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="displayvalue">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="preferences">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_assign_get_submission_status

Returns information about an assignment submission status for a given user.

Arguments

assignid (Required)

assignment instance id

```
General structure

int   //assignment instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

userid (Default to "0")

user id (empty for current user)

```
General structure

int  Default to "0" //user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupid (Default to "0")

filter by users in group (used for generating the grading summary). 0 for all groups information, any other empty value will calculate currrent group.

?

```
General structure

int  Default to "0" //filter by users in group (used for generating the grading summary).
                    0 for all groups information, any other empty value will calculate currrent group.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
gradingsummary  Optional //Grading information.
object {
participantcount int   //Number of users who can submit.
submissiondraftscount int   //Number of submissions in draft status.
submissionsenabled int   //Whether submissions are enabled or not.
submissionssubmittedcount int   //Number of submissions in submitted status.
submissionsneedgradingcount int   //Number of submissions that need grading.
warnofungroupedusers string   //Whether we need to warn people that there
                                                                    are users without groups ('warningrequired'), warn
                                                                    people there are users who will submit in the default
                                                                    group ('warningoptional') or no warning ('').
}
lastattempt  Optional //Last attempt information.
object {
submission  Optional //submission info
object {
id int   //submission id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //submission creation time
timemodified int   //submission last modified time
timestarted int  Optional //submission start time
status string   //submission status
groupid int   //group id
assignment int  Optional //assignment id
latest int  Optional //Latest attempt
plugins  Optional //plugins
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)gradingstatus string  Optional //Grading status.
}
teamsubmission  Optional //submission info
object {
id int   //submission id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //submission creation time
timemodified int   //submission last modified time
timestarted int  Optional //submission start time
status string   //submission status
groupid int   //group id
assignment int  Optional //assignment id
latest int  Optional //Latest attempt
plugins  Optional //plugins
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
```

?

```
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)gradingstatus string  Optional //Grading status.
}
submissiongroup int  Optional //The submission group id (for group submissions only).
submissiongroupmemberswhoneedtosubmit  Optional //List of users who still need to submit (for group submissions only).
list of (
int   //USER id.
)submissionsenabled int   //Whether submissions are enabled or not.
locked int   //Whether new submissions are locked.
graded int   //Whether the submission is graded.
canedit int   //Whether the user can edit the current submission.
caneditowner int   //Whether the owner of the submission can edit it.
cansubmit int   //Whether the user can submit.
extensionduedate int   //Extension due date.
timelimit int  Optional //Time limit for submission.
blindmarking int   //Whether blind marking is enabled.
gradingstatus string   //Grading status.
usergroups   //User groups in the course.
list of (
int   //Group id.
)}
feedback  Optional //Feedback for the last attempt.
object {
grade  Optional //grade information
object {
id int   //grade id
assignment int  Optional //assignment id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //grade creation time
timemodified int   //grade last modified time
grader int   //grader, -1 if grader is hidden
grade string   //grade
gradefordisplay string  Optional //grade rendered into a format suitable for display
}
gradefordisplay string   //Grade rendered into a format suitable for display.
gradeddate int   //The date the user was graded.
plugins  Optional //Plugins info.
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
```

?

```
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
previousattempts  Optional //List all the previous attempts did by the user.
list of (
object {
attemptnumber int   //Attempt number.
submission  Optional //submission info
object {
id int   //submission id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //submission creation time
timemodified int   //submission last modified time
timestarted int  Optional //submission start time
status string   //submission status
groupid int   //group id
assignment int  Optional //assignment id
latest int  Optional //Latest attempt
plugins  Optional //plugins
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)gradingstatus string  Optional //Grading status.
}
grade  Optional //grade information
object {
id int   //grade id
assignment int  Optional //assignment id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //grade creation time
timemodified int   //grade last modified time
grader int   //grader, -1 if grader is hidden
grade string   //grade
gradefordisplay string  Optional //grade rendered into a format suitable for display
}
feedbackplugins  Optional //Feedback info.
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
```

?

```
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
)assignmentdata  Optional //Extra information about assignment
object {
attachments  Optional //Intro and activity attachments
object {
intro  Optional //Intro attachments files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)activity  Optional //Activity attachments files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
activity string  Optional //Text of activity
activityformat int  Optional //activity format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [gradingsummary] =>
        Array
            (
            [participantcount] => int
            [submissiondraftscount] => int
            [submissionsenabled] => int
            [submissionssubmittedcount] => int
            [submissionsneedgradingcount] => int
            [warnofungroupedusers] => string
            )
    [lastattempt] =>
        Array
            (
            [submission] =>
                Array
                    (
                    [id] => int
                    [userid] => int
                    [attemptnumber] => int
                    [timecreated] => int
                    [timemodified] => int
                    [timestarted] => int
                    [status] => string
                    [groupid] => int
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                    [plugins] =>
                        Array
                            (
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                                Array
                                    (
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                                    [fileareas] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [area] => string
                                                    [files] =>
                                                        Array
                                                            (
                                                            [0] =>
                                                                Array
                                                                    (
                                                                    [filename] => string
                                                                    [filepath] => string
                                                                    [filesize] => int
                                                                    [fileurl] => string
                                                                    [timemodified] => int
                                                                    [mimetype] => string
                                                                    [isexternalfile] => int
                                                                    [repositorytype] => string
                                                                    )
                                                            )
                                                    )
                                            )
                                    [editorfields] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [name] => string
                                                    [description] => string
                                                    [text] => string
                                                    [format] => int
                                                    )
                                            )
                                    )
                            )
                    [gradingstatus] => string
                    )
            [teamsubmission] =>
                Array
                    (
                    [id] => int
                    [userid] => int
```

?

```
                [attemptnumber] => int
                [timecreated] => int
                [timemodified] => int
                [timestarted] => int
                [status] => string
                [groupid] => int
                [assignment] => int
                [latest] => int
                [plugins] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [name] => string
                                [fileareas] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [area] => string
                                                [files] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
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                                                                [fileurl] => string
                                                                [timemodified] => int
                                                                [mimetype] => string
                                                                [isexternalfile] => int
                                                                [repositorytype] => string
                                                                )
                                                        )
                                                )
                                        )
                                [editorfields] =>
                                    Array
                                        (
                                        [0] =>
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                                                (
                                                [name] => string
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                                                )
                                        )
                                )
                        )
                [gradingstatus] => string
                )
        [submissiongroup] => int
        [submissiongroupmemberswhoneedtosubmit] =>
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                (
                [0] => int
                )
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        [locked] => int
        [graded] => int
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        [gradingstatus] => string
        [usergroups] =>
            Array
                (
                [0] => int
                )
        )
    [feedback] =>
        Array
        (
        [grade] =>
            Array
                (
```

?

```
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                [assignment] => int
                [userid] => int
                [attemptnumber] => int
                [timecreated] => int
                [timemodified] => int
                [grader] => int
                [grade] => string
                [gradefordisplay] => string
                )
        [gradefordisplay] => string
        [gradeddate] => int
        [plugins] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [type] => string
                        [name] => string
                        [fileareas] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [area] => string
                                        [files] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [filename] => string
                                                        [filepath] => string
                                                        [filesize] => int
                                                        [fileurl] => string
                                                        [timemodified] => int
                                                        [mimetype] => string
                                                        [isexternalfile] => int
                                                        [repositorytype] => string
                                                        )
                                                )
                                        )
                                )
                        [editorfields] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [name] => string
                                        [description] => string
                                        [text] => string
                                        [format] => int
                                        )
                                )
                        )
                )
        )
    [previousattempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [attemptnumber] => int
                    [submission] =>
                        Array
                            (
                            [id] => int
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                            [timestarted] => int
                            [status] => string
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                            [assignment] => int
                            [latest] => int
                            [plugins] =>
                                Array
                                    (
                                    [0] =>
                                        Array
```

?

```
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                                [fileareas] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [area] => string
                                                [files] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
                                                                [filename] => string
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                                                                [filesize] => int
                                                                [fileurl] => string
                                                                [timemodified] => int
                                                                [mimetype] => string
                                                                [isexternalfile] => int
                                                                [repositorytype] => string
                                                                )
                                                        )
                                                )
                                        )
                                [editorfields] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [name] => string
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                                                [format] => int
                                                )
                                        )
                                )
                            )
                    [gradingstatus] => string
                    )
                [grade] =>
                    Array
                        (
                        [id] => int
                        [assignment] => int
                        [userid] => int
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                        [grader] => int
                        [grade] => string
                        [gradefordisplay] => string
                        )
                [feedbackplugins] =>
                    Array
                        (
                        [0] =>
                            Array
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                                            Array
                                                (
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                                                        (
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                                                                (
                                                                [filename] => string
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                                                                [mimetype] => string
                                                                [isexternalfile] => int
```

?

```
                                                                [repositorytype] => string
                                                                )
                                                            )
                                                        )
                                                    )
                                                [editorfields] =>
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                                                        (
                                                        [0] =>
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                                                                (
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                                                                )
                                                        )
                                                )
                                            )
                                        )
                                    )
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        Array
            (
            [attachments] =>
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                    (
                    [intro] =>
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                            (
                            [0] =>
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                                    )
                            )
                    [activity] =>
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                            (
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                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            [activity] => string
            [activityformat] => int
            )
    [warnings] =>
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            (
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                    (
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                    [itemid] => int
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                    [message] => string
                    )
            )
    )
```

?

REST


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```


?

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```


?

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</KEY>
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```


?

```
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```


?

```
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```


?

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?

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                                                <VALUE>string</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="editorfields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="description">
                                    <VALUE>string</VALUE>
```


?

```
                                    </KEY>
                                    <KEY name="text">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="format">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="assignmentdata">
    <SINGLE>
        <KEY name="attachments">
            <SINGLE>
                <KEY name="intro">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="activity">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="activity">
            <VALUE>string</VALUE>
        </KEY>
```


?

```
                <KEY name="activityformat">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_get_submissions

Returns the submissions for assignments

Arguments

assignmentids (Required)

1 or more assignment ids

```
General structure

  //1 or more assignment ids
list of (
int   //assignment id
)
```

```
XML-RPC (PHP structure)

[assignmentids] =>
    Array
        (
        [0] => int
        )
```

?

```
REST (POST parameters)

assignmentids[0]= int
```

status (Default to "")

status

```
General structure

string  Default to "" //status
```

```
XML-RPC (PHP structure)

[status] => string
```

```
REST (POST parameters)

status= string
```

since (Default to "0")

submitted since

```
General structure

int  Default to "0" //submitted since
```

```
XML-RPC (PHP structure)

[since] => int
```

```
REST (POST parameters)

since= int
```

before (Default to "0")

submitted before

```
General structure

int  Default to "0" //submitted before
```

```
XML-RPC (PHP structure)

[before] => int
```

```
REST (POST parameters)

before= int
```

Response

?

```
General structure

object {
assignments   //assignment submissions
list of (
object {
assignmentid int   //assignment id
submissions list of (
  //submission info
object {
id int   //submission id
userid int   //student id
attemptnumber int   //attempt number
timecreated int   //submission creation time
timemodified int   //submission last modified time
timestarted int  Optional //submission start time
status string   //submission status
groupid int   //group id
assignment int  Optional //assignment id
latest int  Optional //latest attempt
plugins  Optional //plugins
list of (
object {
type string   //submission plugin type
name string   //submission plugin name
fileareas  Optional //fileareas
list of (
object {
area string   //file area
files  Optional //files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)editorfields  Optional //editorfields
list of (
object {
name string   //field name
description string   //field description
text string   //field value
format int   //text format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)gradingstatus string  Optional //Grading status.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assignments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [assignmentid] => int
                    [submissions] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [attemptnumber] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [timestarted] => int
                                    [status] => string
                                    [groupid] => int
                                    [assignment] => int
                                    [latest] => int
                                    [plugins] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [type] => string
                                                    [name] => string
                                                    [fileareas] =>
                                                        Array
                                                            (
                                                            [0] =>
                                                                Array
                                                                    (
                                                                    [area] => string
                                                                    [files] =>
                                                                        Array
                                                                            (
                                                                            [0] =>
                                                                                Array
                                                                                    (
                                                                                    [filename] => string
                                                                                    [filepath] => string
                                                                                    [filesize] => int
                                                                                    [fileurl] => string
                                                                                    [timemodified] => int
                                                                                    [mimetype] => string
                                                                                    [isexternalfile] => int
                                                                                    [repositorytype] => string
                                                                                    )
                                                                            )
                                                                    )
                                                            )
                                                    [editorfields] =>
                                                        Array
                                                            (
                                                            [0] =>
                                                                Array
                                                                    (
                                                                    [name] => string
                                                                    [description] => string
                                                                    [text] => string
                                                                    [format] => int
                                                                    )
                                                            )
                                                    )
                                            )
                                    [gradingstatus] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
```

?

```
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assignments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="assignmentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissions">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="attemptnumber">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timestarted">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="status">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="groupid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="assignment">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="latest">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="plugins">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="type">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="name">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="fileareas">
                                                <MULTIPLE>
                                                    <SINGLE>
                                                        <KEY name="area">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                        <KEY name="files">
                                                            <MULTIPLE>
                                                                <SINGLE>
                                                                    <KEY name="filename">
                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                    <KEY name="filepath">
                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                    <KEY name="filesize">
                                                                        <VALUE>int</VALUE>
                                                                    </KEY>
                                                                    <KEY name="fileurl">
                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                    <KEY name="timemodified">
                                                                        <VALUE>int</VALUE>
                                                                    </KEY>
                                                                    <KEY name="mimetype">
                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                    <KEY name="isexternalfile">
                                                                        <VALUE>int</VALUE>
                                                                    </KEY>
                                                                    <KEY name="repositorytype">
                                                                        <VALUE>string</VALUE>
```


?

```
                                                                    </KEY>
                                                                </SINGLE>
                                                            </MULTIPLE>
                                                        </KEY>
                                                    </SINGLE>
                                                </MULTIPLE>
                                            </KEY>
                                            <KEY name="editorfields">
                                                <MULTIPLE>
                                                    <SINGLE>
                                                        <KEY name="name">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                        <KEY name="description">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                        <KEY name="text">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                        <KEY name="format">
                                                            <VALUE>int</VALUE>
                                                        </KEY>
                                                    </SINGLE>
                                                </MULTIPLE>
                                            </KEY>
                                        </SINGLE>
                                    </MULTIPLE>
                                </KEY>
                                <KEY name="gradingstatus">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_assign_get_user_flags

Returns the user flags for assignments

Arguments

assignmentids (Required)

1 or more assignment ids

```
General structure

  //1 or more assignment ids
list of (
int   //assignment id
)
```

```
XML-RPC (PHP structure)

[assignmentids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

assignmentids[0]= int
```

Response

```
General structure

object {
assignments   //list of assign user flag information
list of (
object {
assignmentid int   //assignment id
userflags list of (
object {
id int   //user flag id
userid int   //student id
locked int   //locked
mailed int   //mailed
extensionduedate int   //extension due date
workflowstate string  Optional //marking workflow state
allocatedmarker int   //allocated marker
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'assignment'
itemid int  Optional //when errorcode is 3 then itemid is an assignment id. When errorcode is 1, itemid is a course module id
warningcode string   //errorcode can be 3 (no user flags found) or 1 (no permission to get user flags)
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assignments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [assignmentid] => int
                    [userflags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    [locked] => int
                                    [mailed] => int
                                    [extensionduedate] => int
                                    [workflowstate] => string
                                    [allocatedmarker] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assignments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="assignmentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userflags">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="locked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mailed">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="extensionduedate">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="workflowstate">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="allocatedmarker">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes ?

Callable from AJAX

No

mod_assign_get_user_mappings

Returns the blind marking mappings for assignments

Arguments

assignmentids (Required)

1 or more assignment ids

```
General structure

  //1 or more assignment ids
list of (
int   //assignment id
)
```

```
XML-RPC (PHP structure)

[assignmentids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

assignmentids[0]= int
```

Response

```
General structure

object {
assignments   //list of assign user mapping data
list of (
object {
assignmentid int   //assignment id
mappings list of (
object {
id int   //user mapping id
userid int   //student id
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item is always 'assignment'
itemid int  Optional //when errorcode is 3 then itemid is an assignment id. When errorcode is 1, itemid is a course module id
warningcode string   //errorcode can be 3 (no user mappings found) or 1 (no permission to get user mappings)
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assignments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [assignmentid] => int
                    [mappings] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assignments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="assignmentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mappings">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_list_participants

List the participants for a single assignment, with some summary info about their submissions.

Arguments

?

assignid (Required)

assign instance id

```
General structure

int   //assign instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

groupid (Required)

group id

```
General structure

int   //group id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

filter (Required)

search string to filter the results

```
General structure

string   //search string to filter the results
```

```
XML-RPC (PHP structure)

[filter] => string
```

```
REST (POST parameters)

filter= string
```

skip (Default to "0")

number of records to skip

```
General structure

int  Default to "0" //number of records to skip
```

```
XML-RPC (PHP structure)

[skip] => int
```

```
REST (POST parameters)

skip= int
```

limit (Default to "0")

maximum number of records to return ?

```
General structure

int  Default to "0" //maximum number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

onlyids (Default to "")

Do not return all user fields

```
General structure

int  Default to "" //Do not return all user fields
```

```
XML-RPC (PHP structure)

[onlyids] => int
```

```
REST (POST parameters)

onlyids= int
```

includeenrolments (Default to "1")

Do return courses where the user is enrolled

```
General structure

int  Default to "1" //Do return courses where the user is enrolled
```

```
XML-RPC (PHP structure)

[includeenrolments] => int
```

```
REST (POST parameters)

includeenrolments= int
```

tablesort (Default to "")

Apply current user table sorting preferences.

```
General structure

int  Default to "" //Apply current user table sorting preferences.
```

```
XML-RPC (PHP structure)

[tablesort] => int
```

```
REST (POST parameters)

tablesort= int
```

Response

?

```
General structure

list of (
object {
id int   //ID of the user
username string  Optional //The username
firstname string  Optional //The first name(s) of the user
lastname string  Optional //The family name of the user
fullname string   //The fullname of the user
email string  Optional //Email address
address string  Optional //Postal address
phone1 string  Optional //Phone 1
phone2 string  Optional //Phone 2
department string  Optional //department
institution string  Optional //institution
idnumber string  Optional //The idnumber of the user
interests string  Optional //user interests (separated by commas)
firstaccess int  Optional //first access to the site (0 if never)
lastaccess int  Optional //last access to the site (0 if never)
suspended int  Optional //Suspend user account, either false to enable user login or true to disable it
description string  Optional //User profile description
descriptionformat int  Optional //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
profileimageurlsmall string  Optional //User image profile URL - small version
profileimageurl string  Optional //User image profile URL - big version
customfields  Optional //User custom fields (also known as user profile fields)
list of (
object {
type string   //The type of the custom field - text field, checkbox...
value string   //The value of the custom field (as stored in the database)
displayvalue string  Optional //The value of the custom field for display
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
}
)preferences  Optional //Users preferences
list of (
object {
name string   //The name of the preferences
value string   //The value of the preference
}
)recordid int   //record id
groups  Optional //user groups
list of (
object {
id int   //group id
name string   //group name
description string   //group description
}
)roles  Optional //user roles
list of (
object {
roleid int   //role id
name string   //role name
shortname string   //role shortname
sortorder int   //role sortorder
}
)enrolledcourses  Optional //Courses where the user is enrolled - limited by which courses the user is able to see
list of (
object {
id int   //Id of the course
fullname string   //Fullname of the course
shortname string   //Shortname of the course
}
)submitted int   //have they submitted their assignment
requiregrading int   //is their submission waiting for grading
grantedextension int   //have they been granted an extension
submissionstatus string  Optional //The submission status (new, draft, reopened or submitted).
                Empty when not submitted.
groupid int  Optional //for group assignments this is the group id
groupname string  Optional //for group assignments this is the group name
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [suspended] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [displayvalue] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            [recordid] => int
            [groups] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [description] => string
                            )
                    )
            [roles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [roleid] => int
                            [name] => string
                            [shortname] => string
                            [sortorder] => int
                            )
                    )
            [enrolledcourses] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
```

?

```
                            [shortname] => string
                            )
                    )
            [submitted] => int
            [requiregrading] => int
            [grantedextension] => int
            [submissionstatus] => string
            [groupid] => int
            [groupname] => string
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="username">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="lastname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="address">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="interests">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="firstaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="suspended">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="country">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="customfields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="type">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="displayvalue">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="name">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="preferences">
    <MULTIPLE>
        <SINGLE>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="value">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="recordid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="groups">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="roles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="roleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="enrolledcourses">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="submitted">
    <VALUE>int</VALUE>
</KEY>
<KEY name="requiregrading">
    <VALUE>int</VALUE>
</KEY>
<KEY name="grantedextension">
    <VALUE>int</VALUE>
</KEY>
<KEY name="submissionstatus">
    <VALUE>string</VALUE>
</KEY>
<KEY name="groupid">
    <VALUE>int</VALUE>
```


?

```
            </KEY>
            <KEY name="groupname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_assign_lock_submissions

Prevent students from making changes to a list of submissions

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userids (Required)

1 or more user ids

```
General structure

  //1 or more user ids
list of (
int   //user id
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

?

```
REST (POST parameters)

userids[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_reveal_identities

Reveal the identities for a blind marking assignment

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_revert_submissions_to_draft

Reverts the list of submissions to draft status

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userids (Required)

1 or more user ids

?

```
General structure

  //1 or more user ids
list of (
int   //user id
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_save_grade

Save a grade update for a single student.

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userid (Required)

The student id to operate on

```
General structure

int   //The student id to operate on
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

grade (Required)

The new grade for this user. Ignored if advanced grading used

```
General structure

double   //The new grade for this user. Ignored if advanced grading used
```

?

```
XML-RPC (PHP structure)

[grade] => double
```

```
REST (POST parameters)

grade= double
```

attemptnumber (Required)

The attempt number (-1 means latest attempt)

```
General structure

int   //The attempt number (-1 means latest attempt)
```

```
XML-RPC (PHP structure)

[attemptnumber] => int
```

```
REST (POST parameters)

attemptnumber= int
```

addattempt (Required)

Allow another attempt if the attempt reopen method is manual

```
General structure

int   //Allow another attempt if the attempt reopen method is manual
```

```
XML-RPC (PHP structure)

[addattempt] => int
```

```
REST (POST parameters)

addattempt= int
```

workflowstate (Required)

The next marking workflow state

```
General structure

string   //The next marking workflow state
```

```
XML-RPC (PHP structure)

[workflowstate] => string
```

```
REST (POST parameters)

workflowstate= string
```

applytoall (Required)

If true, this grade will be applied to all members of the group (for group assignments).

```
General structure

int   //If true, this grade will be applied to all members of the group (for group assignments).
```

?

```
XML-RPC (PHP structure)

[applytoall] => int
```

```
REST (POST parameters)

applytoall= int
```

plugindata (Default to "Array ( ) ")

plugin data

```
General structure

 Default to "Array
(
)
" //plugin data
object {
assignfeedbackcomments_editor  Optional //Editor structure
object {
text string   //The text for this feedback.
format int   //The format for this feedback
}
files_filemanager int  Optional //The id of a draft area containing files for this feedback.
}
```

```
XML-RPC (PHP structure)

[plugindata] =>
    Array
        (
        [assignfeedbackcomments_editor] =>
            Array
                (
                [text] => string
                [format] => int
                )
        [files_filemanager] => int
        )
```

```
REST (POST parameters)

plugindata[assignfeedbackcomments_editor][text]= string
plugindata[assignfeedbackcomments_editor][format]= int
plugindata[files_filemanager]= int
```

advancedgradingdata (Default to "Array ( ) ")

advanced grading data

?

```
General structure

 Default to "Array
(
)
" //advanced grading data
object {
guide  Optional //items
object {
criteria list of (
object {
criterionid int   //criterion id
fillings  Optional //filling
list of (
object {
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
score double   //maximum score
}
)}
)}
rubric  Optional //items
object {
criteria list of (
object {
criterionid int   //criterion id
fillings  Optional //filling
list of (
object {
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
}
```

?

XML-RPC (PHP structure)

```
[advancedgradingdata] =>
    Array
        (
        [guide] =>
            Array
                (
                [criteria] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [criterionid] => int
                                [fillings] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [criterionid] => int
                                                [levelid] => int
                                                [remark] => string
                                                [remarkformat] => int
                                                [score] => double
                                                )
                                        )
                                )
                        )
                )
        [rubric] =>
            Array
                (
                [criteria] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [criterionid] => int
                                [fillings] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [criterionid] => int
                                                [levelid] => int
                                                [remark] => string
                                                [remarkformat] => int
                                                )
                                        )
                                )
                        )
                )
        )
```

REST (POST parameters)

```
advancedgradingdata[guide][criteria][0][criterionid]= int
advancedgradingdata[guide][criteria][0][fillings][0][criterionid]= int
advancedgradingdata[guide][criteria][0][fillings][0][levelid]= int
advancedgradingdata[guide][criteria][0][fillings][0][remark]= string
advancedgradingdata[guide][criteria][0][fillings][0][remarkformat]= int
advancedgradingdata[guide][criteria][0][fillings][0][score]= double
advancedgradingdata[rubric][criteria][0][criterionid]= int
advancedgradingdata[rubric][criteria][0][fillings][0][criterionid]= int
advancedgradingdata[rubric][criteria][0][fillings][0][levelid]= int
advancedgradingdata[rubric][criteria][0][fillings][0][remark]= string
advancedgradingdata[rubric][criteria][0][fillings][0][remarkformat]= int
```

Response

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_save_grades

Save multiple grade updates for an assignment.

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

applytoall (Required)

If true, this grade will be applied to all members of the group (for group assignments).

```
General structure

int   //If true, this grade will be applied to all members of the group (for group assignments).
```

```
XML-RPC (PHP structure)

[applytoall] => int
```

```
REST (POST parameters)

applytoall= int
```

grades (Required)

?

```
General structure

list of (
object {
userid int   //The student id to operate on
grade double   //The new grade for this user. Ignored if advanced grading used
attemptnumber int   //The attempt number (-1 means latest attempt)
addattempt int   //Allow another attempt if manual attempt reopen method
workflowstate string   //The next marking workflow state
plugindata  Default to "Array
(
)
" //plugin data
object {
assignfeedbackcomments_editor  Optional //Editor structure
object {
text string   //The text for this feedback.
format int   //The format for this feedback
}
files_filemanager int  Optional //The id of a draft area containing files for this feedback.
}
advancedgradingdata  Default to "Array
(
)
" //advanced grading data
object {
guide  Optional //items
object {
criteria list of (
object {
criterionid int   //criterion id
fillings  Optional //filling
list of (
object {
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
score double   //maximum score
}
)}
)}
rubric  Optional //items
object {
criteria list of (
object {
criterionid int   //criterion id
fillings  Optional //filling
list of (
object {
criterionid int   //criterion id
levelid int  Optional //level id
remark string  Optional //remark
remarkformat int  Optional //remark format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)}
)}
}
}
)
```

?

XML-RPC (PHP structure)

```
[grades] =>
    Array
        (
        [0] =>
            Array
                (
                [userid] => int
                [grade] => double
                [attemptnumber] => int
                [addattempt] => int
                [workflowstate] => string
                [plugindata] =>
                    Array
                        (
                        [assignfeedbackcomments_editor] =>
                            Array
                                (
                                [text] => string
                                [format] => int
                                )
                        [files_filemanager] => int
                        )
                [advancedgradingdata] =>
                    Array
                        (
                        [guide] =>
                            Array
                                (
                                [criteria] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [criterionid] => int
                                                [fillings] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
                                                                [criterionid] => int
                                                                [levelid] => int
                                                                [remark] => string
                                                                [remarkformat] => int
                                                                [score] => double
                                                                )
                                                        )
                                                )
                                        )
                                )
                        [rubric] =>
                            Array
                                (
                                [criteria] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [criterionid] => int
                                                [fillings] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
                                                                [criterionid] => int
                                                                [levelid] => int
                                                                [remark] => string
                                                                [remarkformat] => int
                                                                )
                                                        )
                                                )
                                        )
                                )
                        )
                )
        )
```

?

```
REST (POST parameters)

grades[0][userid]= int
grades[0][grade]= double
grades[0][attemptnumber]= int
grades[0][addattempt]= int
grades[0][workflowstate]= string
grades[0][plugindata][assignfeedbackcomments_editor][text]= string
grades[0][plugindata][assignfeedbackcomments_editor][format]= int
grades[0][plugindata][files_filemanager]= int
grades[0][advancedgradingdata][guide][criteria][0][criterionid]= int
grades[0][advancedgradingdata][guide][criteria][0][fillings][0][criterionid]= int
grades[0][advancedgradingdata][guide][criteria][0][fillings][0][levelid]= int
grades[0][advancedgradingdata][guide][criteria][0][fillings][0][remark]= string
grades[0][advancedgradingdata][guide][criteria][0][fillings][0][remarkformat]= int
grades[0][advancedgradingdata][guide][criteria][0][fillings][0][score]= double
grades[0][advancedgradingdata][rubric][criteria][0][criterionid]= int
grades[0][advancedgradingdata][rubric][criteria][0][fillings][0][criterionid]= int
grades[0][advancedgradingdata][rubric][criteria][0][fillings][0][levelid]= int
grades[0][advancedgradingdata][rubric][criteria][0][fillings][0][remark]= string
grades[0][advancedgradingdata][rubric][criteria][0][fillings][0][remarkformat]= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_save_submission

Update the current students submission

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

?

plugindata (Required)

```
General structure

object {
onlinetext_editor  Optional //Editor structure
object {
text string   //The text for this submission.
format int   //The format for this submission
itemid int   //The draft area id for files attached to the submission
}
files_filemanager int  Optional //The id of a draft area containing files for this submission.
}
```

```
XML-RPC (PHP structure)

[plugindata] =>
    Array
        (
        [onlinetext_editor] =>
            Array
                (
                [text] => string
                [format] => int
                [itemid] => int
                )
        [files_filemanager] => int
        )
```

```
REST (POST parameters)

plugindata[onlinetext_editor][text]= string
plugindata[onlinetext_editor][format]= int
plugindata[onlinetext_editor][itemid]= int
plugindata[files_filemanager]= int
```

Response

list of warnings

```
General structure

 Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_save_user_extensions

Save a list of assignment extensions

Arguments

assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userids (Required)

1 or more user ids

?

```
General structure

  //1 or more user ids
list of (
int   //user id
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

dates (Required)

1 or more extension dates (timestamp)

```
General structure

  //1 or more extension dates (timestamp)
list of (
int   //dates
)
```

```
XML-RPC (PHP structure)

[dates] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

dates[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_set_user_flags

Creates or updates user flags

Arguments

assignmentid (Required)

assignment id

```
General structure

int   //assignment id
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userflags (Required)

?

```
General structure

list of (
object {
userid int   //student id
locked int  Optional //locked
mailed int  Optional //mailed
extensionduedate int  Optional //extension due date
workflowstate string  Optional //marking workflow state
allocatedmarker int  Optional //allocated marker
}
)
```

```
XML-RPC (PHP structure)

[userflags] =>
    Array
        (
        [0] =>
            Array
                (
                [userid] => int
                [locked] => int
                [mailed] => int
                [extensionduedate] => int
                [workflowstate] => string
                [allocatedmarker] => int
                )
        )
```

```
REST (POST parameters)

userflags[0][userid]= int
userflags[0][locked]= int
userflags[0][mailed]= int
userflags[0][extensionduedate]= int
userflags[0][workflowstate]= string
userflags[0][allocatedmarker]= int
```

Response

```
General structure

list of (
object {
id int   //id of record if successful, -1 for failure
userid int   //userid of record
errormessage string  Optional //Failure error message
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [userid] => int
                [errormessage] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="errormessage">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_start_submission

Start a submission for user if assignment has a time limit.

Arguments

assignid (Required)

Assignment instance id

```
General structure

int   //Assignment instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

Response

?

General structure

```
object {
submissionid int   //New submission ID.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [submissionid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="submissionid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_assign_submit_for_grading

Submit the current students assignment for grading

Arguments
assignmentid (Required)

The assignment id to operate on

```
General structure

int   //The assignment id to operate on
```

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

acceptsubmissionstatement (Required)

Accept the assignment submission statement

```
General structure

int   //Accept the assignment submission statement
```

```
XML-RPC (PHP structure)

[acceptsubmissionstatement] => int
```

```
REST (POST parameters)

acceptsubmissionstatement= int
```

Response
list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [item] => string
            [itemid] => int
            [warningcode] => string
            [message] => string
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_submit_grading_form

Submit the grading form data via ajax

Arguments

assignmentid (Required)

The assignment id to operate on

General structure

```
int   //The assignment id to operate on
```

?

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userid (Required)

The user id the submission belongs to

```
General structure

int   //The user id the submission belongs to
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

jsonformdata (Required)

The data from the grading form, encoded as a json array

```
General structure

string   //The data from the grading form, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

list of warnings

```
General structure

 Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [item] => string
            [itemid] => int
            [warningcode] => string
            [message] => string
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_assign_unlock_submissions

Allow students to make changes to a list of submissions

Arguments

assignmentid (Required)

The assignment id to operate on

General structure

```
int   //The assignment id to operate on
```

?

```
XML-RPC (PHP structure)

[assignmentid] => int
```

```
REST (POST parameters)

assignmentid= int
```

userids (Required)

1 or more user ids

```
General structure

  //1 or more user ids
list of (
int   //user id
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

Response

list of warnings

```
General structure

 Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [item] => string
                [itemid] => int
                [warningcode] => string
                [message] => string
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_view_assign

Update the module completion status.

Arguments

assignid (Required)

assign instance id

```
General structure

int   //assign instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

Response ?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_assign_view_grading_table

Trigger the grading_table_viewed event.

Arguments
assignid (Required)

assign instance id

```
General structure

int   //assign instance id
```

```
XML-RPC (PHP structure)

[assignid] => int
```

```
REST (POST parameters)

assignid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_assign_view_submission_status

Trigger the submission status viewed event.

Arguments

assignid (Required)

assign instance id

General structure

```
int   //assign instance id
```

XML-RPC (PHP structure)

```
[assignid] => int
```

?

```
REST (POST parameters)

assignid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_bigbluebuttonbn_can_join

Returns information if the current user can join or not.

Arguments

cmid (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

groupid (Default to "0")

bigbluebuttonbn group id

```
General structure

int  Default to "0" //bigbluebuttonbn group id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
can_join int   //Can join session
cmid int   //course module id
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [can_join] => int
    [cmid] => int
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="can_join">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cmid">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_bigbluebuttonbn_completion_validate

Validate completion

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id

General structure

```
int   //bigbluebuttonbn instance id
```

XML-RPC (PHP structure)

```
[bigbluebuttonbnid] => int
```

REST (POST parameters)

```
bigbluebuttonbnid= int
```

?

Response

General structure

```
object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

?

Callable from AJAX

Yes

mod_bigbluebuttonbn_end_meeting

End a meeting

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id

```
General structure

int   //bigbluebuttonbn instance id
```

```
XML-RPC (PHP structure)

[bigbluebuttonbnid] => int
```

```
REST (POST parameters)

bigbluebuttonbnid= int
```

groupid (Default to "0")

bigbluebuttonbn group id

```
General structure

int  Default to "0" //bigbluebuttonbn group id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_bigbluebuttonbn_get_bigbluebuttonbns_by_courses

Returns a list of bigbluebuttonbns in a provided list of courses, if no list is provided all bigbluebuttonbns that the user can view will be returned.

Arguments

?

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
bigbluebuttonbns list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
meetingid string   //Meeting id
timemodified int   //Last time the instance was modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [bigbluebuttonbns] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [meetingid] => string
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="bigbluebuttonbns">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="meetingid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_bigbluebuttonbn_get_join_url

Get the join URL for the meeting and create if it does not exist.

Arguments

cmid (Required)

course module id

```
General structure

int   //course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

groupid (Default to "0")

bigbluebuttonbn group id

```
General structure

int  Default to "0" //bigbluebuttonbn group id
```

?

XML-RPC (PHP structure)

```
[groupid] => int
```

REST (POST parameters)

```
groupid= int
```

Response

General structure

```
object {
join_url string  Optional //Can join session
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [join_url] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="join_url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_bigbluebuttonbn_get_recordings

Returns a list of recordings ready to be processed by a datatable.

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id

```
General structure

int   //bigbluebuttonbn instance id
```

```
XML-RPC (PHP structure)

[bigbluebuttonbnid] => int
```

```
REST (POST parameters)

bigbluebuttonbnid= int
```

tools (Default to "protect,unprotect,publish,unpublish,delete")

a set of enabled tools

```
General structure

string  Default to "protect,unprotect,publish,unpublish,delete" //a set of enabled tools
```

```
XML-RPC (PHP structure)

[tools] => string
```

```
REST (POST parameters)

tools= string
```

groupid (Default to "null")

Group ID

```
General structure

int  Default to "null" //Group ID
```

?

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
status int   //Whether the fetch was successful
tabledata object {
activity string ping_interval int locale string profile_features list of (
string )columns list of (
object {
key string label string width string type string  Optional //Column type
sortable int  Optional //Whether this column is sortable
allowHTML int  Optional //Whether this column contains HTML
formatter string  Optional //Formatter name
}
)data string }
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [tabledata] =>
        Array
            (
            [activity] => string
            [ping_interval] => int
            [locale] => string
            [profile_features] =>
                Array
                    (
                    [0] => string
                    )
            [columns] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [key] => string
                            [label] => string
                            [width] => string
                            [type] => string
                            [sortable] => int
                            [allowHTML] => int
                            [formatter] => string
                            )
                    )
            [data] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="tabledata">
            <SINGLE>
                <KEY name="activity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ping_interval">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="locale">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profile_features">
                    <MULTIPLE>
                        <VALUE>string</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="columns">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="label">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="width">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="sortable">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="allowHTML">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="formatter">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="data">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_bigbluebuttonbn_get_recordings_to_import

Returns a list of recordings ready to import to be processed by a datatable.

Arguments

destinationinstanceid (Required)

Id of the other BBB we target for importing recordings into. The idea here is to remove already imported recordings.

```
General structure

int   //Id of the other BBB we target for importing recordings into.
                The idea here is to remove already imported recordings.
```

```
XML-RPC (PHP structure)

[destinationinstanceid] => int
```

```
REST (POST parameters)

destinationinstanceid= int
```

sourcebigbluebuttonbnid (Default to "0")

bigbluebuttonbn instance id

```
General structure

int  Default to "0" //bigbluebuttonbn instance id
```

```
XML-RPC (PHP structure)

[sourcebigbluebuttonbnid] => int
```

```
REST (POST parameters)

sourcebigbluebuttonbnid= int
```

sourcecourseid (Default to "0")

source courseid to filter by

```
General structure

int  Default to "0" //source courseid to filter by
```

```
XML-RPC (PHP structure)

[sourcecourseid] => int
```

?

```
REST (POST parameters)

sourcecourseid= int
```

tools (Default to "protect,unprotect,publish,unpublish,delete")

a set of enabled tools

```
General structure

string  Default to "protect,unprotect,publish,unpublish,delete" //a set of enabled tools
```

```
XML-RPC (PHP structure)

[tools] => string
```

```
REST (POST parameters)

tools= string
```

groupid (Default to "null")

Group ID

```
General structure

int  Default to "null" //Group ID
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
status int   //Whether the fetch was successful
tabledata object {
activity string ping_interval int locale string profile_features list of (
string )columns list of (
object {
key string label string width string type string  Optional //Column type
sortable int  Optional //Whether this column is sortable
allowHTML int  Optional //Whether this column contains HTML
}
)data string }
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [tabledata] =>
        Array
            (
            [activity] => string
            [ping_interval] => int
            [locale] => string
            [profile_features] =>
                Array
                    (
                    [0] => string
                    )
            [columns] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [key] => string
                            [label] => string
                            [width] => string
                            [type] => string
                            [sortable] => int
                            [allowHTML] => int
                            )
                    )
            [data] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="tabledata">
            <SINGLE>
                <KEY name="activity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ping_interval">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="locale">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profile_features">
                    <MULTIPLE>
                        <VALUE>string</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="columns">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="key">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="label">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="width">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="sortable">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="allowHTML">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="data">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_bigbluebuttonbn_meeting_info

Get displayable information on the meeting

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id

```
General structure

int   //bigbluebuttonbn instance id
```

```
XML-RPC (PHP structure)

[bigbluebuttonbnid] => int
```

```
REST (POST parameters)

bigbluebuttonbnid= int
```

groupid (Default to "0")

bigbluebuttonbn group id

```
General structure

int  Default to "0" //bigbluebuttonbn group id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

updatecache (Default to "")

update cache ?

```
General structure

int  Default to "" //update cache ?
```

```
XML-RPC (PHP structure)

[updatecache] => int
```

?

```
REST (POST parameters)

updatecache= int
```

Response

```
General structure

object {
cmid int   //CM id
userlimit int   //User limit
bigbluebuttonbnid string   //bigbluebuttonbn instance id
groupid int  Default to "0" //bigbluebuttonbn group id
meetingid string   //Meeting id
openingtime int  Optional //Opening time
closingtime int  Optional //Closing time
statusrunning int  Optional //Status running
statusclosed int  Optional //Status closed
statusopen int  Optional //Status open
statusmessage string  Optional //Status message
startedat int  Optional //Started at
moderatorcount int  Optional //Moderator count
participantcount int  Optional //Participant count
moderatorplural int  Optional //Several moderators ?
participantplural int  Optional //Several participants ?
canjoin int   //Can join
ismoderator int   //Is moderator
presentations list of (
object {
url string   //presentation URL
iconname string   //icon name
icondesc string   //icon text
name string   //presentation name
}
)joinurl string   //Join URL
guestaccessenabled int  Optional //Guest access enabled
guestjoinurl string  Optional //Guest URL
guestpassword string  Optional //Guest join password
features  Optional //List of features for the instance
list of (
object {
name string   //Feature name.
isenabled int   //Whether the feature is enabled.
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [cmid] => int
    [userlimit] => int
    [bigbluebuttonbnid] => string
    [groupid] => int
    [meetingid] => string
    [openingtime] => int
    [closingtime] => int
    [statusrunning] => int
    [statusclosed] => int
    [statusopen] => int
    [statusmessage] => string
    [startedat] => int
    [moderatorcount] => int
    [participantcount] => int
    [moderatorplural] => int
    [participantplural] => int
    [canjoin] => int
    [ismoderator] => int
    [presentations] =>
        Array
            (
            [0] =>
                Array
                    (
                    [url] => string
                    [iconname] => string
                    [icondesc] => string
                    [name] => string
                    )
            )
    [joinurl] => string
    [guestaccessenabled] => int
    [guestjoinurl] => string
    [guestpassword] => string
    [features] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [isenabled] => int
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cmid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userlimit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="bigbluebuttonbnid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="groupid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="meetingid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="openingtime">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="closingtime">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusrunning">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusclosed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusopen">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusmessage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="startedat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="moderatorcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="participantcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="moderatorplural">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="participantplural">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canjoin">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ismoderator">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="presentations">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="iconname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="icondesc">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="joinurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="guestaccessenabled">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="guestjoinurl">
            <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="guestpassword">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="features">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isenabled">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_bigbluebuttonbn_update_recording

Update a single recording

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id, this might be a different one from the one set in recordingid in case of importing

```
General structure

int   //bigbluebuttonbn instance id, this might be a different one from the one set in recordingid in case of importing
```

```
XML-RPC (PHP structure)

[bigbluebuttonbnid] => int
```

```
REST (POST parameters)

bigbluebuttonbnid= int
```

recordingid (Required)

The moodle internal recording ID

?

```
General structure

int   //The moodle internal recording ID
```

```
XML-RPC (PHP structure)

[recordingid] => int
```

```
REST (POST parameters)

recordingid= int
```

action (Required)

The action to perform

```
General structure

string   //The action to perform
```

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

additionaloptions (Required)

Additional options

```
General structure

string   //Additional options
```

```
XML-RPC (PHP structure)

[additionaloptions] => string
```

```
REST (POST parameters)

additionaloptions= string
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_bigbluebuttonbn_view_bigbluebuttonbn

Trigger the course module viewed event and update the module completion status.

Arguments

bigbluebuttonbnid (Required)

bigbluebuttonbn instance id

```
General structure

int   //bigbluebuttonbn instance id
```

```
XML-RPC (PHP structure)

[bigbluebuttonbnid] => int
```

```
REST (POST parameters)

bigbluebuttonbnid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_book_get_books_by_courses

Returns a list of book instances in a provided set of courses, if no courses are provided then all the book instances the user has access to will be returned. ?

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
books list of (
  //Books
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
numbering int   //Book numbering configuration
navstyle int   //Book navigation style configuration
customtitles int   //Book custom titles type
revision int  Optional //Book revision
timecreated int  Optional //Time of creation
timemodified int  Optional //Time of last modification
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [books] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [numbering] => int
                    [navstyle] => int
                    [customtitles] => int
                    [revision] => int
                    [timecreated] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="books">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="numbering">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="navstyle">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="customtitles">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="revision">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_book_view_book

Simulate the view.php web interface book: trigger events, completion, etc...

Arguments

bookid (Required)

book instance id

```
General structure

int   //book instance id
```

```
XML-RPC (PHP structure)

[bookid] => int
```

```
REST (POST parameters)

bookid= int
```

?

chapterid (Default to "0")

chapter id

```
General structure

int  Default to "0" //chapter id
```

```
XML-RPC (PHP structure)

[chapterid] => int
```

```
REST (POST parameters)

chapterid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_get_chat_latest_messages

Get the latest messages from the given chat session.

Arguments

chatsid (Required)

chat session id (obtained via mod_chat_login_user)

```
General structure

string   //chat session id (obtained via mod_chat_login_user)
```

```
XML-RPC (PHP structure)

[chatsid] => string
```

?

```
REST (POST parameters)

chatsid= string
```

chatlasttime (Default to "0")

last time messages were retrieved (epoch time)

```
General structure

int  Default to "0" //last time messages were retrieved (epoch time)
```

```
XML-RPC (PHP structure)

[chatlasttime] => int
```

```
REST (POST parameters)

chatlasttime= int
```

Response

```
General structure

object {
messages   //list of users
list of (
object {
id int   //message id
userid int   //user id
system int   //true if is a system message (like user joined)
message string   //message text
timestamp int   //timestamp for the message
}
)chatnewlasttime int   //new last time
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [userid] => int
                    [system] => int
                    [message] => string
                    [timestamp] => int
                    )
            )
    [chatnewlasttime] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="system">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestamp">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="chatnewlasttime">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_get_chat_users

Get the list of users in the given chat session.

Arguments

chatsid (Required)

chat session id (obtained via mod_chat_login_user)

```
General structure

string   //chat session id (obtained via mod_chat_login_user)
```

```
XML-RPC (PHP structure)

[chatsid] => string
```

```
REST (POST parameters)

chatsid= string
```

Response

```
General structure

object {
users   //list of users
list of (
object {
id int   //user id
fullname string   //user full name
profileimageurl string   //user picture URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileimageurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_get_chats_by_courses

Returns a list of chat instances in a provided set of courses, if no courses are provided then all the chat instances the user has access to will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
chats list of (
  //Chats
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
chatmethod string  Optional //chat method (sockets, ajax, header_js)
keepdays int  Optional //keep days
studentlogs int  Optional //student logs visible to everyone
chattime int  Optional //chat time
schedule int  Optional //schedule type
timemodified int  Optional //time of last modification
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [chats] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [chatmethod] => string
                    [keepdays] => int
                    [studentlogs] => int
                    [chattime] => int
                    [schedule] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="chats">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="chatmethod">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="keepdays">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="studentlogs">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="chattime">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="schedule">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_get_session_messages

Retrieves messages of the given chat session.

Arguments

chatid (Required)

Chat instance id.

```
General structure

int   //Chat instance id.
```

```
XML-RPC (PHP structure)

[chatid] => int
```

```
REST (POST parameters)

chatid= int
```

?

sessionstart (Required)

The session start time (timestamp).

```
General structure

int   //The session start time (timestamp).
```

```
XML-RPC (PHP structure)

[sessionstart] => int
```

```
REST (POST parameters)

sessionstart= int
```

sessionend (Required)

The session end time (timestamp).

```
General structure

int   //The session end time (timestamp).
```

```
XML-RPC (PHP structure)

[sessionend] => int
```

```
REST (POST parameters)

sessionend= int
```

groupid (Default to "0")

Get messages from users in this group. 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Get messages from users in this group.
                                                0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

General structure

```
object {
messages list of (
object {
id int   //The message record id.
chatid int   //The chat id.
userid int   //The user who wrote the message.
groupid int   //The group this message belongs to.
issystem int   //Whether is a system message or not.
message string   //The message text.
timestamp int   //The message timestamp (indicates when the message was sent).
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [chatid] => int
                    [userid] => int
                    [groupid] => int
                    [issystem] => int
                    [message] => string
                    [timestamp] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="chatid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="issystem">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestamp">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_get_sessions

?

Retrieves chat sessions for a given chat.

Arguments

chatid (Required)

Chat instance id.

```
General structure

int   //Chat instance id.
```

```
XML-RPC (PHP structure)

[chatid] => int
```

```
REST (POST parameters)

chatid= int
```

groupid (Default to "0")

Get messages from users in this group. 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Get messages from users in this group.
                                                0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

showall (Default to "")

Whether to show completed sessions or not.

```
General structure

int  Default to "" //Whether to show completed sessions or not.
```

```
XML-RPC (PHP structure)

[showall] => int
```

```
REST (POST parameters)

showall= int
```

Response

?

General structure

```
object {
sessions   //list of users
list of (
object {
sessionstart int   //Session start time.
sessionend int   //Session end time.
sessionusers   //Session users.
list of (
object {
userid int   //User id.
messagecount int   //Number of messages in the session.
}
)iscomplete int   //Whether the session is completed or not.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [sessions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [sessionstart] => int
                    [sessionend] => int
                    [sessionusers] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [userid] => int
                                    [messagecount] => int
                                    )
                            )
                    [iscomplete] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="sessions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="sessionstart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sessionend">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sessionusers">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="messagecount">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="iscomplete">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_login_user

?

Log a user into a chat room in the given chat.

Arguments

chatid (Required)

chat instance id

```
General structure

int   //chat instance id
```

```
XML-RPC (PHP structure)

[chatid] => int
```

```
REST (POST parameters)

chatid= int
```

groupid (Default to "0")

group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
chatsid string   //unique chat session id
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [chatsid] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="chatsid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_send_chat_message

Send a message on the given chat session.

?

Arguments

chatsid (Required)

chat session id (obtained via mod_chat_login_user)

```
General structure

string   //chat session id (obtained via mod_chat_login_user)
```

```
XML-RPC (PHP structure)

[chatsid] => string
```

```
REST (POST parameters)

chatsid= string
```

messagetext (Required)

the message text

```
General structure

string   //the message text
```

```
XML-RPC (PHP structure)

[messagetext] => string
```

```
REST (POST parameters)

messagetext= string
```

beepid (Default to "")

the beep id

```
General structure

string  Default to "" //the beep id
```

```
XML-RPC (PHP structure)

[beepid] => string
```

```
REST (POST parameters)

beepid= string
```

Response

```
General structure

object {
messageid int   //message sent id
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [messageid] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_view_chat

Trigger the course module viewed event and update the module completion status.

?

Arguments

chatid (Required)

chat instance id

```
General structure

int   //chat instance id
```

```
XML-RPC (PHP structure)

[chatid] => int
```

```
REST (POST parameters)

chatid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_chat_view_sessions

Trigger the chat session viewed event.

Arguments

cmid (Required)

Course module id

```
General structure

int   //Course module id
```

```
XML-RPC (PHP structure)

[cmid] => int
```

?

```
REST (POST parameters)

cmid= int
```

start (Default to "0")

Session start time

```
General structure

int  Default to "0" //Session start time
```

```
XML-RPC (PHP structure)

[start] => int
```

```
REST (POST parameters)

start= int
```

end (Default to "0")

Session end time

```
General structure

int  Default to "0" //Session end time
```

```
XML-RPC (PHP structure)

[end] => int
```

```
REST (POST parameters)

end= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_choice_delete_choice_responses

Delete the given submitted responses in a choice

?

Arguments

choiceid (Required)

choice instance id

```
General structure

int   //choice instance id
```

```
XML-RPC (PHP structure)

[choiceid] => int
```

```
REST (POST parameters)

choiceid= int
```

responses (Default to "Array ( ) ")

Array of response ids, empty for deleting all the current user responses.

```
General structure

 Default to "Array
(
)
" //Array of response ids, empty for deleting all the current user responses.
list of (
int   //response id
)
```

```
XML-RPC (PHP structure)

[responses] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

responses[0]= int
```

Response

```
General structure

object {
status int   //status, true if everything went right
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_choice_get_choice_options

Retrieve options for a specific choice.

?

Arguments

choiceid (Required)

choice instance id

```
General structure

int   //choice instance id
```

```
XML-RPC (PHP structure)

[choiceid] => int
```

```
REST (POST parameters)

choiceid= int
```

Response

```
General structure

object {
options   //Options
list of (
object {
id int   //option id
text string   //text of the choice
maxanswers int   //maximum number of answers
displaylayout int   //true for orizontal, otherwise vertical
countanswers int   //number of answers
checked int   //we already answered
disabled int   //option disabled
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [text] => string
                    [maxanswers] => int
                    [displaylayout] => int
                    [countanswers] => int
                    [checked] => int
                    [disabled] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxanswers">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="displaylayout">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="countanswers">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="checked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="disabled">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_choice_get_choice_results

?

Retrieve users results for a given choice.

Arguments

choiceid (Required)

choice instance id

```
General structure

int   //choice instance id
```

```
XML-RPC (PHP structure)

[choiceid] => int
```

```
REST (POST parameters)

choiceid= int
```

Response

```
General structure

object {
options list of (
  //Options
object {
id int   //choice instance id
text string   //text of the choice
maxanswer int   //maximum number of answers
userresponses list of (
  //User responses
object {
userid int   //user id
fullname string   //user full name
profileimageurl string   //profile user image url
answerid int  Optional //answer id
timemodified int  Optional //time of modification
}
)numberofuser int   //number of users answers
percentageamount double   //percentage of users answers
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [text] => string
                    [maxanswer] => int
                    [userresponses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [userid] => int
                                    [fullname] => string
                                    [profileimageurl] => string
                                    [answerid] => int
                                    [timemodified] => int
                                    )
                            )
                    [numberofuser] => int
                    [percentageamount] => double
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxanswer">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userresponses">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fullname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileimageurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="answerid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="numberofuser">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="percentageamount">
                        <VALUE>double</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_choice_get_choices_by_courses

Returns a list of choice instances in a provided set of courses, if no courses are provided then all the choice instances the user has access to will be returned.

Arguments
courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
choices list of (
  //Choices
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
publish int  Optional //If choice is published
showresults int  Optional //0 never, 1 after answer, 2 after close, 3 always
display int  Optional //Display mode (vertical, horizontal)
allowupdate int  Optional //Allow update
allowmultiple int  Optional //Allow multiple choices
showunanswered int  Optional //Show users who not answered yet
includeinactive int  Optional //Include inactive users
limitanswers int  Optional //Limit unswers
timeopen int  Optional //Date of opening validity
timeclose int  Optional //Date of closing validity
showpreview int  Optional //Show preview before timeopen
timemodified int  Optional //Time of last modification
completionsubmit int  Optional //Completion on user submission
showavailable int  Optional //Show available spaces
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [choices] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [publish] => int
                    [showresults] => int
                    [display] => int
                    [allowupdate] => int
                    [allowmultiple] => int
                    [showunanswered] => int
                    [includeinactive] => int
                    [limitanswers] => int
                    [timeopen] => int
                    [timeclose] => int
                    [showpreview] => int
                    [timemodified] => int
                    [completionsubmit] => int
                    [showavailable] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="choices">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="publish">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showresults">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="display">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="allowupdate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="allowmultiple">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="showunanswered">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="includeinactive">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="limitanswers">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeopen">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeclose">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showpreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completionsubmit">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showavailable">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_choice_submit_choice_response

Submit responses to a specific choice item. ?

Arguments

choiceid (Required)

choice instance id

```
General structure

int   //choice instance id
```

```
XML-RPC (PHP structure)

[choiceid] => int
```

```
REST (POST parameters)

choiceid= int
```

responses (Required)

Array of response ids

```
General structure

  //Array of response ids
list of (
int   //answer id
)
```

```
XML-RPC (PHP structure)

[responses] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

responses[0]= int
```

Response

```
General structure

object {
answers list of (
  //Answers
object {
id int   //answer id
choiceid int   //choiceid
userid int   //user id
optionid int   //optionid
timemodified int   //time of last modification
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [answers] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [choiceid] => int
                    [userid] => int
                    [optionid] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="answers">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="choiceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="optionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_choice_view_choice

Trigger the course module viewed event and update the module completion status.

Arguments

choiceid (Required)

choice instance id

```
General structure

int   //choice instance id
```

```
XML-RPC (PHP structure)

[choiceid] => int
```

```
REST (POST parameters)

choiceid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_add_entry

Adds a new entry.

?

Arguments

databaseid (Required)

data instance id

```
General structure

int   //data instance id
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

data (Required)

The fields data to be created

```
General structure

  //The fields data to be created
list of (
object {
fieldid int   //The field id.
subfield string  Default to "" //The subfield name (if required).
value string   //The contents for the field always JSON encoded.
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [fieldid] => int
                [subfield] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

data[0][fieldid]= int
data[0][subfield]= string
data[0][value]= string
```

?

Response

General structure

```
object {
newentryid int   //True new created entry id. 0 if the entry was not created.
generalnotifications list of (
string   //General notifications
)fieldnotifications list of (
object {
fieldname string   //The field name.
notification string   //The notification for the field.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [newentryid] => int
    [generalnotifications] =>
        Array
            (
            [0] => string
            )
    [fieldnotifications] =>
        Array
            (
            [0] =>
                Array
                    (
                    [fieldname] => string
                    [notification] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="newentryid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="generalnotifications">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="fieldnotifications">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="fieldname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="notification">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_approve_entry

Approves or unapproves an entry.

Arguments

?

entryid (Required)

Record entry id.

```
General structure

int   //Record entry id.
```

```
XML-RPC (PHP structure)

[entryid] => int
```

```
REST (POST parameters)

entryid= int
```

approve (Default to "1")

Whether to approve (true) or unapprove the entry.

```
General structure

int  Default to "1" //Whether to approve (true) or unapprove the entry.
```

```
XML-RPC (PHP structure)

[approve] => int
```

```
REST (POST parameters)

approve= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_delete_entry

Deletes an entry.

Arguments

entryid (Required)

Record entry id.

General structure

```
int   //Record entry id.
```

XML-RPC (PHP structure)

```
[entryid] => int
```

?

REST (POST parameters)

```
entryid= int
```

Response

General structure

```
object {
status int   //Always true. If we see this field it means that the entry was deleted.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_delete_saved_preset

Delete site user preset.

Arguments

dataid (Required)

Id of the data activity

```
General structure

int   //Id of the data activity
```

```
XML-RPC (PHP structure)

[dataid] => int
```

```
REST (POST parameters)

dataid= int
```

presetnames (Required)

```
General structure

list of (
string   //The preset name to delete
)
```

```
XML-RPC (PHP structure)

[presetnames] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

presetnames[0]= string
```

Response

?

General structure

```
object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

mod_data_get_data_access_information

Return access information for a given database.

Arguments
databaseid (Required)

Database instance id.

```
General structure

int   //Database instance id.
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group.

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

General structure

```
object {
groupid int   //User current group id (calculated)
canaddentry int   //Whether the user can add entries or not.
canmanageentries int   //Whether the user can manage entries or not.
canapprove int   //Whether the user can approve entries or not.
timeavailable int   //Whether the database is available or not by time restrictions.
inreadonlyperiod int   //Whether the database is in read mode only.
numentries int   //The number of entries the current user added.
entrieslefttoadd int   //The number of entries left to complete the activity.
entrieslefttoview int   //The number of entries left to view other users entries.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [groupid] => int
    [canaddentry] => int
    [canmanageentries] => int
    [canapprove] => int
    [timeavailable] => int
    [inreadonlyperiod] => int
    [numentries] => int
    [entrieslefttoadd] => int
    [entrieslefttoview] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="groupid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canaddentry">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanageentries">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canapprove">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timeavailable">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="inreadonlyperiod">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="numentries">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entrieslefttoadd">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entrieslefttoview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_get_databases_by_courses

?

Returns a list of database instances in a provided set of courses, if no courses are provided then all the database instances the user has access to will

be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
databases list of (
object {
id int   //Database id
course int   //Course id
name string   //Database name
intro string   //The Database intro
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lang string   //Forced activity language
comments int   //comments enabled
timeavailablefrom int   //timeavailablefrom field
timeavailableto int   //timeavailableto field
timeviewfrom int   //timeviewfrom field
timeviewto int   //timeviewto field
requiredentries int   //requiredentries field
requiredentriestoview int   //requiredentriestoview field
maxentries int   //maxentries field
rssarticles int   //rssarticles field
singletemplate string   //singletemplate field
listtemplate string   //listtemplate field
listtemplateheader string   //listtemplateheader field
listtemplatefooter string   //listtemplatefooter field
addtemplate string   //addtemplate field
rsstemplate string   //rsstemplate field
rsstitletemplate string   //rsstitletemplate field
csstemplate string   //csstemplate field
jstemplate string   //jstemplate field
asearchtemplate string   //asearchtemplate field
approval int   //approval field
manageapproved int   //manageapproved field
scale int  Optional //scale field
assessed int  Optional //assessed field
assesstimestart int  Optional //assesstimestart field
assesstimefinish int  Optional //assesstimefinish field
defaultsort int   //defaultsort field
defaultsortdir int   //defaultsortdir field
editany int  Optional //editany field (not used any more)
notification int  Optional //notification field (not used any more)
timemodified int  Optional //Time modified
coursemodule int   //coursemodule
introfiles  Optional //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [databases] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [lang] => string
                    [comments] => int
                    [timeavailablefrom] => int
                    [timeavailableto] => int
                    [timeviewfrom] => int
                    [timeviewto] => int
                    [requiredentries] => int
                    [requiredentriestoview] => int
                    [maxentries] => int
                    [rssarticles] => int
                    [singletemplate] => string
                    [listtemplate] => string
                    [listtemplateheader] => string
                    [listtemplatefooter] => string
                    [addtemplate] => string
                    [rsstemplate] => string
                    [rsstitletemplate] => string
                    [csstemplate] => string
                    [jstemplate] => string
                    [asearchtemplate] => string
                    [approval] => int
                    [manageapproved] => int
                    [scale] => int
                    [assessed] => int
                    [assesstimestart] => int
                    [assesstimefinish] => int
                    [defaultsort] => int
                    [defaultsortdir] => int
                    [editany] => int
                    [notification] => int
                    [timemodified] => int
                    [coursemodule] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="databases">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="comments">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeavailablefrom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeavailableto">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeviewfrom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeviewto">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requiredentries">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="requiredentriestoview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxentries">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rssarticles">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="singletemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="listtemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="listtemplateheader">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="listtemplatefooter">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="addtemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rsstemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rsstitletemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="csstemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="jstemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="asearchtemplate">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="approval">
                        <VALUE>int</VALUE>
```


?

```
            </KEY>
            <KEY name="manageapproved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scale">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assessed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assesstimestart">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assesstimefinish">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="defaultsort">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="defaultsortdir">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="editany">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="notification">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursemodule">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="introfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
```


?

```
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_get_entries

Return the complete list of entries of the given database.

Arguments

databaseid (Required)

data instance id

```
General structure

int   //data instance id
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

returncontents (Default to "")

Whether to return contents or not. This will return each entry raw contents and the complete list view (using the template). ?

```
General structure

int  Default to "" //Whether to return contents or not. This will return each entry
                                                       raw contents and the complete list view (using the template).
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

sort (Default to "null")

Sort the records by this field id, reserved ids are: 0: timeadded -1: firstname -2: lastname -3: approved -4: timemodified. Empty for using the default database setting.

```
General structure

int  Default to "null" //Sort the records by this field id, reserved ids are:
                                              0: timeadded
                                              -1: firstname
                                              -2: lastname
                                              -3: approved
                                              -4: timemodified.
                                              Empty for using the default database setting.
```

```
XML-RPC (PHP structure)

[sort] => int
```

```
REST (POST parameters)

sort= int
```

order (Default to "null")

The direction of the sorting: 'ASC' or 'DESC'. Empty for using the default database setting.

```
General structure

string  Default to "null" //The direction of the sorting: 'ASC' or 'DESC'.
                                              Empty for using the default database setting.
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

?

perpage (Default to "0")

The number of records to return per page

```
General structure

int  Default to "0" //The number of records to return per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
entries list of (
object {
id int   //Record id.
userid int   //The id of the user who created the record.
groupid int   //The group id this record belongs to (0 for no groups).
dataid int   //The database id this record belongs to.
timecreated int   //Time the record was created.
timemodified int   //Last time the record was modified.
approved int   //Whether the entry has been approved (if the database is configured in that way).
canmanageentry int   //Whether the current user can manage this entry
fullname string  Optional //The user who created the entry fullname.
contents  Optional //The record contents.
list of (
object {
id int   //Content id.
fieldid int   //The field type of the content.
recordid int   //The record this content belongs to.
content string   //Contents.
content1 string   //Contents.
content2 string   //Contents.
content3 string   //Contents.
content4 string   //Contents.
files  Optional //files
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)tags  Optional //Tags.
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)totalcount int   //Total count of records.
totalfilesize int   //Total size (bytes) of the files included in the records.
listviewcontents string  Optional //The list view contents as is rendered in the site.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [userid] => int
                    [groupid] => int
                    [dataid] => int
                    [timecreated] => int
                    [timemodified] => int
                    [approved] => int
                    [canmanageentry] => int
                    [fullname] => string
                    [contents] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fieldid] => int
                                    [recordid] => int
                                    [content] => string
                                    [content1] => string
                                    [content2] => string
                                    [content3] => string
                                    [content4] => string
                                    [files] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    )
                            )
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [totalcount] => int
    [totalfilesize] => int
    [listviewcontents] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
```

?

```
                    )
                )
            )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dataid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="approved">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanageentry">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contents">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fieldid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="recordid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="content">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content1">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content2">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content3">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content4">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="files">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="filename">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filepath">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filesize">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="fileurl">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="timemodified">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="mimetype">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="isexternalfile">
                                                <VALUE>int</VALUE>
```


?

```
                                    </KEY>
                                    <KEY name="repositorytype">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="totalcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="totalfilesize">
    <VALUE>int</VALUE>
</KEY>
<KEY name="listviewcontents">
    <VALUE>string</VALUE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
</SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_get_entry

Return one entry record from the database, including contents optionally.

Arguments

entryid (Required)

record entry id

```
General structure

int   //record entry id
```

```
XML-RPC (PHP structure)

[entryid] => int
```

```
REST (POST parameters)

entryid= int
```

returncontents (Default to "")

Whether to return contents or not.

```
General structure

int  Default to "" //Whether to return contents or not.
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

Response

?

```
General structure

object {
entry object {
id int   //Record id.
userid int   //The id of the user who created the record.
groupid int   //The group id this record belongs to (0 for no groups).
dataid int   //The database id this record belongs to.
timecreated int   //Time the record was created.
timemodified int   //Last time the record was modified.
approved int   //Whether the entry has been approved (if the database is configured in that way).
canmanageentry int   //Whether the current user can manage this entry
fullname string  Optional //The user who created the entry fullname.
contents  Optional //The record contents.
list of (
object {
id int   //Content id.
fieldid int   //The field type of the content.
recordid int   //The record this content belongs to.
content string   //Contents.
content1 string   //Contents.
content2 string   //Contents.
content3 string   //Contents.
content4 string   //Contents.
files  Optional //files
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)tags  Optional //Tags.
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
entryviewcontents string  Optional //The entry as is rendered in the site.
ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
```

?

```
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [entry] =>
        Array
            (
            [id] => int
            [userid] => int
            [groupid] => int
            [dataid] => int
            [timecreated] => int
            [timemodified] => int
            [approved] => int
            [canmanageentry] => int
            [fullname] => string
            [contents] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fieldid] => int
                            [recordid] => int
                            [content] => string
                            [content1] => string
                            [content2] => string
                            [content3] => string
                            [content4] => string
                            [files] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [filename] => string
                                            [filepath] => string
                                            [filesize] => int
                                            [fileurl] => string
                                            [timemodified] => int
                                            [mimetype] => string
                                            [isexternalfile] => int
                                            [repositorytype] => string
                                            )
                                    )
                            )
                    )
            [tags] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [rawname] => string
                            [isstandard] => int
                            [tagcollid] => int
                            [taginstanceid] => int
                            [taginstancecontextid] => int
                            [itemid] => int
                            [ordering] => int
                            [flag] => int
                            )
                    )
            )
    [entryviewcontents] => string
    [ratinginfo] =>
        Array
            (
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
```

?

```
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entry">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="dataid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="approved">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canmanageentry">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contents">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fieldid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="recordid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="content">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content1">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content2">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content3">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content4">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="files">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="filename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filepath">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filesize">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="mimetype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="isexternalfile">
                                            <VALUE>int</VALUE>
                                        </KEY>
```


?

```
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="tags">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rawname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isstandard">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tagcollid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="taginstanceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="taginstancecontextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ordering">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flag">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="entryviewcontents">
    <VALUE>string</VALUE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
```


?

```
                        <KEY name="items">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="value">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="ratings">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="aggregate">
                            <VALUE>double</VALUE>
                        </KEY>
                        <KEY name="aggregatestr">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="aggregatelabel">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="count">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="rating">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canrate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canviewaggregate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_get_fields

Return the list of configured fields for the given database.

Arguments

databaseid (Required)

Database instance id.

```
General structure

int   //Database instance id.
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

Response

?

General structure

```
object {
fields list of (
object {
id int   //Field id.
dataid int   //The field type of the content.
type string   //The field type.
name string   //The field name.
description string   //The field description.
required int   //Whether is a field required or not.
param1 string   //Field parameters
param2 string   //Field parameters
param3 string   //Field parameters
param4 string   //Field parameters
param5 string   //Field parameters
param6 string   //Field parameters
param7 string   //Field parameters
param8 string   //Field parameters
param9 string   //Field parameters
param10 string   //Field parameters
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [fields] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [dataid] => int
                    [type] => string
                    [name] => string
                    [description] => string
                    [required] => int
                    [param1] => string
                    [param2] => string
                    [param3] => string
                    [param4] => string
                    [param5] => string
                    [param6] => string
                    [param7] => string
                    [param8] => string
                    [param9] => string
                    [param10] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="fields">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dataid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="required">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="param1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param3">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param4">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param5">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param6">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param7">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param8">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param9">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="param10">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_get_mapping_information

Get importing information

Arguments

cmid (Required)

Id of the data activity

```
General structure

int   //Id of the data activity
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

importedpreset (Required)

Preset to be imported

```
General structure

string   //Preset to be imported
```

```
XML-RPC (PHP structure)

[importedpreset] => string
```

```
REST (POST parameters)

importedpreset= string
```

Response

?

```
General structure

object {
data  Optional //Information to import if everything went fine
object {
needsmapping int   //Whether the importing needs mapping or not
presetname string   //Name of the applied preset
fieldstocreate string   //List of field names to create
fieldstoremove string   //List of field names to remove
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [data] =>
            Array
                (
                [needsmapping] => int
                [presetname] => string
                [fieldstocreate] => string
                [fieldstoremove] => string
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <SINGLE>
                <KEY name="needsmapping">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="presetname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fieldstocreate">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fieldstoremove">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_data_search_entries

Search for entries in the given database.

Arguments

databaseid (Required)

data instance id

?

```
General structure

int   //data instance id
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

returncontents (Default to "")

Whether to return contents or not.

```
General structure

int  Default to "" //Whether to return contents or not.
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

search (Default to "")

search string (empty when using advanced)

```
General structure

string  Default to "" //search string (empty when using advanced)
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

advsearch (Default to "Array ( ) ")

Advanced search

?

```
General structure

 Default to "Array
(
)
" //Advanced search
list of (
object {
name string   //Field key for search.
                                                                    Use fn or ln for first or last name
value string   //JSON encoded value for search
}
)
```

```
XML-RPC (PHP structure)

[advsearch] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

advsearch[0][name]= string
advsearch[0][value]= string
```

sort (Default to "null")

Sort the records by this field id, reserved ids are: 0: timeadded -1: firstname -2: lastname -3: approved -4: timemodified. Empty for using the default database setting.

```
General structure

int  Default to "null" //Sort the records by this field id, reserved ids are:
                                                0: timeadded
                                                -1: firstname
                                                -2: lastname
                                                -3: approved
                                                -4: timemodified.
                                                Empty for using the default database setting.
```

```
XML-RPC (PHP structure)

[sort] => int
```

```
REST (POST parameters)

sort= int
```

order (Default to "null")

The direction of the sorting: 'ASC' or 'DESC'. Empty for using the default database setting.

```
General structure

string  Default to "null" //The direction of the sorting: 'ASC' or 'DESC'.
                                                Empty for using the default database setting.
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

?

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

The number of records to return per page

```
General structure

int  Default to "0" //The number of records to return per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
entries list of (
object {
id int   //Record id.
userid int   //The id of the user who created the record.
groupid int   //The group id this record belongs to (0 for no groups).
dataid int   //The database id this record belongs to.
timecreated int   //Time the record was created.
timemodified int   //Last time the record was modified.
approved int   //Whether the entry has been approved (if the database is configured in that way).
canmanageentry int   //Whether the current user can manage this entry
fullname string  Optional //The user who created the entry fullname.
contents  Optional //The record contents.
list of (
object {
id int   //Content id.
fieldid int   //The field type of the content.
recordid int   //The record this content belongs to.
content string   //Contents.
content1 string   //Contents.
content2 string   //Contents.
content3 string   //Contents.
content4 string   //Contents.
files  Optional //files
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)tags  Optional //Tags.
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)totalcount int   //Total count of records returned by the search.
maxcount int  Optional //Total count of records that the user could see in the database
                    (if all the search criterias were removed).
listviewcontents string  Optional //The list view contents as is rendered in the site.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [userid] => int
                    [groupid] => int
                    [dataid] => int
                    [timecreated] => int
                    [timemodified] => int
                    [approved] => int
                    [canmanageentry] => int
                    [fullname] => string
                    [contents] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fieldid] => int
                                    [recordid] => int
                                    [content] => string
                                    [content1] => string
                                    [content2] => string
                                    [content3] => string
                                    [content4] => string
                                    [files] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    )
                            )
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [totalcount] => int
    [maxcount] => int
    [listviewcontents] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
```

?

```
                    )
                )
            )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dataid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="approved">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanageentry">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contents">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fieldid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="recordid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="content">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content1">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content2">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content3">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content4">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="files">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="filename">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filepath">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filesize">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="fileurl">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="timemodified">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="mimetype">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="isexternalfile">
                                                <VALUE>int</VALUE>
```


?

```
                                    </KEY>
                                    <KEY name="repositorytype">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="totalcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="maxcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="listviewcontents">
    <VALUE>string</VALUE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
</SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_update_entry

Updates an existing entry.

Arguments

entryid (Required)

The entry record id.

```
General structure

int   //The entry record id.
```

```
XML-RPC (PHP structure)

[entryid] => int
```

```
REST (POST parameters)

entryid= int
```

data (Required)

The fields data to be updated

```
General structure

  //The fields data to be updated
list of (
object {
fieldid int   //The field id.
subfield string  Default to "null" //The subfield name (if required).
value string   //The new contents for the field always JSON encoded.
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [fieldid] => int
                [subfield] => string
                [value] => string
                )
        )
```

?

```
REST (POST parameters)

data[0][fieldid]= int
data[0][subfield]= string
data[0][value]= string
```

Response

```
General structure

object {
updated int   //True if the entry was successfully updated, false other wise.
generalnotifications list of (
string   //General notifications
)fieldnotifications list of (
object {
fieldname string   //The field name.
notification string   //The notification for the field.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [updated] => int
        [generalnotifications] =>
            Array
                (
                [0] => string
                )
        [fieldnotifications] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [fieldname] => string
                        [notification] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="updated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="generalnotifications">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="fieldnotifications">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="fieldname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="notification">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_data_view_database

Simulate the view.php web interface data: trigger events, completion, etc...

Arguments

?

databaseid (Required)

data instance id

```
General structure

int   //data instance id
```

```
XML-RPC (PHP structure)

[databaseid] => int
```

```
REST (POST parameters)

databaseid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_analysis

Retrieves the feedback analysis.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

?

```
REST (POST parameters)

feedbackid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

object {
completedcount int   //Number of completed submissions.
itemscount int   //Number of items (questions).
itemsdata list of (
object {
item object {
id int   //The record id.
feedback int   //The feedback instance id this records belongs to.
template int   //If it belogns to a template, the template id.
name string   //The item name.
label string   //The item label.
presentation string   //The text describing the item or the available possible answers.
typ string   //The type of the item.
hasvalue int   //Whether it has a value or not.
position int   //The position in the list of questions.
required int   //Whether is a item (question) required or not.
dependitem int   //The item id this item depend on.
dependvalue string   //The depend value.
options string   //Different additional settings for the item (question).
itemfiles   //itemfiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)itemnumber int   //The item position number
otherdata string   //Additional data that may be required by external functions
}
data list of (
string   //The analysis data (can be json encoded)
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [completedcount] => int
    [itemscount] => int
    [itemsdata] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] =>
                        Array
                            (
                            [id] => int
                            [feedback] => int
                            [template] => int
                            [name] => string
                            [label] => string
                            [presentation] => string
                            [typ] => string
                            [hasvalue] => int
                            [position] => int
                            [required] => int
                            [dependitem] => int
                            [dependvalue] => string
                            [options] => string
                            [itemfiles] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [contextid] => int
                                            [component] => string
                                            [filearea] => string
                                            [itemid] => int
                                            [filepath] => string
                                            [filename] => string
                                            [isdir] => int
                                            [isimage] => int
                                            [timemodified] => int
                                            [timecreated] => int
                                            [filesize] => int
                                            [author] => string
                                            [license] => string
                                            [filenameshort] => string
                                            [filesizeformatted] => string
                                            [icon] => string
                                            [timecreatedformatted] => string
                                            [timemodifiedformatted] => string
                                            [url] => string
                                            )
                                    )
                            [itemnumber] => int
                            [otherdata] => string
                            )
                    [data] =>
                        Array
                            (
                            [0] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="completedcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="itemscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="itemsdata">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="feedback">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="template">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="label">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="presentation">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="typ">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="hasvalue">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="position">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="required">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="dependitem">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="dependvalue">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="options">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="itemfiles">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="contextid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="component">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filearea">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="itemid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="filepath">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="isdir">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="isimage">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
```


?

```
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="author">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="license">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filenameshort">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesizeformatted">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="icon">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timecreatedformatted">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodifiedformatted">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="url">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="itemnumber">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="otherdata">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="data">
                <MULTIPLE>
                    <VALUE>string</VALUE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
</SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_feedback_get_current_completed_tmp

Returns the temporary completion record for the current user.

Arguments
feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

General structure

```
object {
feedback object {
id int   //The record id.
feedback int   //The feedback instance id this records belongs to.
userid int   //The user who completed the feedback (0 for anonymous).
guestid string   //For guests, this is the session key.
timemodified int   //The last time the feedback was completed.
random_response int   //The response number (used when shuffling anonymous responses).
anonymous_response int   //Whether is an anonymous response.
courseid int   //The course id where the feedback was completed.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [feedback] =>
            Array
                (
                [id] => int
                [feedback] => int
                [userid] => int
                [guestid] => string
                [timemodified] => int
                [random_response] => int
                [anonymous_response] => int
                [courseid] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="feedback">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedback">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="guestid">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="random_response">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="anonymous_response">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="courseid">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_feedback_access_information ?

Return access information for a given feedback.

Arguments

feedbackid (Required)

Feedback instance id.

```
General structure

int   //Feedback instance id.
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
canviewanalysis int   //Whether the user can view the analysis or not.
cancomplete int   //Whether the user can complete the feedback or not.
cansubmit int   //Whether the user can submit the feedback or not.
candeletesubmissions int   //Whether the user can delete submissions or not.
canviewreports int   //Whether the user can view the feedback reports or not.
caneditiems int   //Whether the user can edit feedback items or not.
isempty int   //Whether the feedback has questions or not.
isopen int   //Whether the feedback has active access time restrictions or not.
isalreadysubmitted int   //Whether the feedback is already submitted or not.
isanonymous int   //Whether the feedback is anonymous or not.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [canviewanalysis] => int
    [cancomplete] => int
    [cansubmit] => int
    [candeletesubmissions] => int
    [canviewreports] => int
    [caneditems] => int
    [isempty] => int
    [isopen] => int
    [isalreadysubmitted] => int
    [isanonymous] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canviewanalysis">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancomplete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cansubmit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeletesubmissions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewreports">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="caneditiems">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isempty">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isopen">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isalreadysubmitted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isanonymous">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_feedback_get_feedbacks_by_courses

Returns a list of feedbacks in a provided list of courses, if no list is provided all feedbacks that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
feedbacks list of (
object {
id int   //The primary key of the record.
course int   //Course id this feedback is part of.
name string   //Feedback name.
intro string   //Feedback introduction text.
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lang string   //Forced activity language
anonymous int   //Whether the feedback is anonymous.
email_notification int  Optional //Whether email notifications will be sent to teachers.
multiple_submit int   //Whether multiple submissions are allowed.
autonumbering int   //Whether questions should be auto-numbered.
site_after_submit string  Optional //Link to next page after submission.
page_after_submit string  Optional //Text to display after submission.
page_after_submitformat int  Default to "1" //page_after_submit format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
publish_stats int   //Whether stats should be published.
timeopen int  Optional //Allow answers from this time.
timeclose int  Optional //Allow answers until this time.
timemodified int  Optional //The time this record was modified.
completionsubmit int   //If this field is set to 1, then the activity will be automatically marked as complete on submission.
coursemodule int   //coursemodule
introfiles   //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)pageaftersubmitfiles  Optional //pageaftersubmitfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [feedbacks] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [lang] => string
                    [anonymous] => int
                    [email_notification] => int
                    [multiple_submit] => int
                    [autonumbering] => int
                    [site_after_submit] => string
                    [page_after_submit] => string
                    [page_after_submitformat] => int
                    [publish_stats] => int
                    [timeopen] => int
                    [timeclose] => int
                    [timemodified] => int
                    [completionsubmit] => int
                    [coursemodule] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [pageaftersubmitfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="feedbacks">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="anonymous">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="email_notification">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="multiple_submit">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="autonumbering">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="site_after_submit">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="page_after_submit">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="page_after_submitformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="publish_stats">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeopen">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeclose">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completionsubmit">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="pageaftersubmitfiles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_finished_responses

Retrieves responses from the last finished attempt.

Arguments

feedbackid (Required)

Feedback instance id.

```
General structure

int   //Feedback instance id.
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
responses list of (
object {
id int   //The record id.
course_id int   //The course id this record belongs to.
item int   //The item id that was responded.
completed int   //Reference to the feedback_completed table.
tmp_completed int   //Old field - not used anymore.
value string   //The response value.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [responses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course_id] => int
                    [item] => int
                    [completed] => int
                    [tmp_completed] => int
                    [value] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="responses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course_id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="item">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tmp_completed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_items

Returns the items (questions) in the given feedback.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

object {
items list of (
object {
id int   //The record id.
feedback int   //The feedback instance id this records belongs to.
template int   //If it belogns to a template, the template id.
name string   //The item name.
label string   //The item label.
presentation string   //The text describing the item or the available possible answers.
typ string   //The type of the item.
hasvalue int   //Whether it has a value or not.
position int   //The position in the list of questions.
required int   //Whether is a item (question) required or not.
dependitem int   //The item id this item depend on.
dependvalue string   //The depend value.
options string   //Different additional settings for the item (question).
itemfiles   //itemfiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)itemnumber int   //The item position number
otherdata string   //Additional data that may be required by external functions
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [items] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [feedback] => int
                    [template] => int
                    [name] => string
                    [label] => string
                    [presentation] => string
                    [typ] => string
                    [hasvalue] => int
                    [position] => int
                    [required] => int
                    [dependitem] => int
                    [dependvalue] => string
                    [options] => string
                    [itemfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [contextid] => int
                                    [component] => string
                                    [filearea] => string
                                    [itemid] => int
                                    [filepath] => string
                                    [filename] => string
                                    [isdir] => int
                                    [isimage] => int
                                    [timemodified] => int
                                    [timecreated] => int
                                    [filesize] => int
                                    [author] => string
                                    [license] => string
                                    [filenameshort] => string
                                    [filesizeformatted] => string
                                    [icon] => string
                                    [timecreatedformatted] => string
                                    [timemodifiedformatted] => string
                                    [url] => string
                                    )
                            )
                    [itemnumber] => int
                    [otherdata] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="items">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedback">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="template">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="label">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="presentation">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="typ">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="hasvalue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="position">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="required">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dependitem">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dependvalue">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="options">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="contextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="component">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filearea">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="itemid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isdir">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isimage">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="author">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="license">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filenameshort">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesizeformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="icon">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timecreatedformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodifiedformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="itemnumber">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="otherdata">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_last_completed ?

Retrieves the last completion record for the current user.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
completed object {
id int   //The record id.
feedback int   //The feedback instance id this records belongs to.
userid int   //The user who completed the feedback (0 for anonymous).
timemodified int   //The last time the feedback was completed.
random_response int   //The response number (used when shuffling anonymous responses).
anonymous_response int   //Whether is an anonymous response.
courseid int   //The course id where the feedback was completed.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [completed] =>
        Array
            (
            [id] => int
            [feedback] => int
            [userid] => int
            [timemodified] => int
            [random_response] => int
            [anonymous_response] => int
            [courseid] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="completed">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedback">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="random_response">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="anonymous_response">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="courseid">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_non_respondents

Retrieves a list of students who didn't submit the feedback.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group.

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

sort (Default to "lastaccess")

Sort param, must be firstname, lastname or lastaccess (default).

```
General structure

string  Default to "lastaccess" //Sort param, must be firstname, lastname or lastaccess (default).
```

?

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

The number of records to return per page.

```
General structure

int  Default to "0" //The number of records to return per page.
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

object {
users list of (
object {
courseid int   //Course id
userid int   //The user id
fullname string   //User full name
started int   //If the user has started the attempt
}
)total int   //Total number of non respondents
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [users] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [courseid] => int
                        [userid] => int
                        [fullname] => string
                        [started] => int
                        )
                )
        [total] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="started">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="total">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_page_items

Get a single feedback page items.

Arguments

?

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

page (Required)

The page to get starting by 0

```
General structure

int   //The page to get starting by 0
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

object {
items list of (
object {
id int   //The record id.
feedback int   //The feedback instance id this records belongs to.
template int   //If it belogns to a template, the template id.
name string   //The item name.
label string   //The item label.
presentation string   //The text describing the item or the available possible answers.
typ string   //The type of the item.
hasvalue int   //Whether it has a value or not.
position int   //The position in the list of questions.
required int   //Whether is a item (question) required or not.
dependitem int   //The item id this item depend on.
dependvalue string   //The depend value.
options string   //Different additional settings for the item (question).
itemfiles   //itemfiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)itemnumber int   //The item position number
otherdata string   //Additional data that may be required by external functions
}
)hasprevpage int   //Whether is a previous page.
hasnextpage int   //Whether there are more pages.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [items] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [feedback] => int
                    [template] => int
                    [name] => string
                    [label] => string
                    [presentation] => string
                    [typ] => string
                    [hasvalue] => int
                    [position] => int
                    [required] => int
                    [dependitem] => int
                    [dependvalue] => string
                    [options] => string
                    [itemfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [contextid] => int
                                    [component] => string
                                    [filearea] => string
                                    [itemid] => int
                                    [filepath] => string
                                    [filename] => string
                                    [isdir] => int
                                    [isimage] => int
                                    [timemodified] => int
                                    [timecreated] => int
                                    [filesize] => int
                                    [author] => string
                                    [license] => string
                                    [filenameshort] => string
                                    [filesizeformatted] => string
                                    [icon] => string
                                    [timecreatedformatted] => string
                                    [timemodifiedformatted] => string
                                    [url] => string
                                    )
                            )
                    [itemnumber] => int
                    [otherdata] => string
                    )
            )
    [hasprevpage] => int
    [hasnextpage] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="items">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedback">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="template">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="label">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="presentation">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="typ">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="hasvalue">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="position">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="required">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dependitem">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="dependvalue">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="options">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="contextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="component">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filearea">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="itemid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isdir">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isimage">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="author">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="license">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filenameshort">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesizeformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="icon">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timecreatedformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodifiedformatted">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="itemnumber">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="otherdata">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="hasprevpage">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="hasnextpage">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

?

Callable from AJAX

No

mod_feedback_get_responses_analysis

Return the feedback user responses analysis.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

The number of records to return per page

```
General structure

int  Default to "0" //The number of records to return per page
```

?

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
attempts list of (
object {
id int   //Completed id
courseid int   //Course id
userid int   //User who responded
timemodified int   //Time modified for the response
fullname string   //User full name
responses list of (
object {
id int   //Response id
name string   //Response name
printval string   //Response ready for output
rawval string   //Response raw value
}
)}
)totalattempts int   //Total responses count.
anonattempts list of (
object {
id int   //Completed id
courseid int   //Course id
number int   //Response number
responses list of (
object {
id int   //Response id
name string   //Response name
printval string   //Response ready for output
rawval string   //Response raw value
}
)}
)totalanonattempts int   //Total anonymous responses count.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [attempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [courseid] => int
                    [userid] => int
                    [timemodified] => int
                    [fullname] => string
                    [responses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [printval] => string
                                    [rawval] => string
                                    )
                            )
                    )
            )
    [totalattempts] => int
    [anonattempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [courseid] => int
                    [number] => int
                    [responses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [printval] => string
                                    [rawval] => string
                                    )
                            )
                    )
            )
    [totalanonattempts] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="responses">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="printval">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="rawval">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="totalattempts">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="anonattempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="number">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="responses">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="printval">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="rawval">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="totalanonattempts">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
```


?

```
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_get_unfinished_responses

Retrieves responses from the current unfinished attempt.

Arguments

feedbackid (Required)

Feedback instance id.

```
General structure

int   //Feedback instance id.
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

?

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
responses list of (
object {
id int   //The record id.
course_id int   //The course id this record belongs to.
item int   //The item id that was responded.
completed int   //Reference to the feedback_completedtmp table.
tmp_completed int   //Old field - not used anymore.
value string   //The response value.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [responses] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [course_id] => int
                        [item] => int
                        [completed] => int
                        [tmp_completed] => int
                        [value] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="responses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course_id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="item">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tmp_completed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_launch_feedback

Starts or continues a feedback submission.

?

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
gopage int   //The next page to go (-1 if we were already in the last page). 0 for first page.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)

    Array
        (
        [gopage] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="gopage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_process_page

Process a jump between pages.

Arguments

feedbackid (Required)

Feedback instance id.

```
General structure

int   //Feedback instance id.
```

```
XML-RPC (PHP structure)

[feedbackid] => int
```

?

```
REST (POST parameters)

feedbackid= int
```

page (Required)

The page being processed.

```
General structure

int   //The page being processed.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

responses (Default to "Array ( ) ")

The data to be processed.

```
General structure

 Default to "Array
(
)
" //The data to be processed.
list of (
object {
name string   //The response name (usually type[index]_id).
value string   //The response value.
}
)
```

```
XML-RPC (PHP structure)

[responses] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

responses[0][name]= string
responses[0][value]= string
```

goprevious (Default to "")

Whether we want to jump to previous page.

```
General structure

int  Default to "" //Whether we want to jump to previous page.
```

```
XML-RPC (PHP structure)

[goprevious] => int
```

```
REST (POST parameters)

goprevious= int
```

?

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
jumpto int   //The page to jump to.
completed int   //If the user completed the feedback.
completionpagecontents string   //The completion page contents.
siteaftersubmit string   //The link (could be relative) to show after submit.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [jumpto] => int
        [completed] => int
        [completionpagecontents] => string
        [siteaftersubmit] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="jumpto">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="completed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="completionpagecontents">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="siteaftersubmit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_feedback_view_feedback

Trigger the course module viewed event and update the module completion status.

Arguments

feedbackid (Required)

Feedback instance id

```
General structure

int   //Feedback instance id
```

?

```
XML-RPC (PHP structure)

[feedbackid] => int
```

```
REST (POST parameters)

feedbackid= int
```

moduleviewed (Default to "")

If we need to mark the module as viewed for completion

```
General structure

int  Default to "" //If we need to mark the module as viewed for completion
```

```
XML-RPC (PHP structure)

[moduleviewed] => int
```

```
REST (POST parameters)

moduleviewed= int
```

courseid (Default to "0")

Course where user completes the feedback (for site feedbacks only).

```
General structure

int  Default to "0" //Course where user completes the feedback (for site feedbacks only).
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_folder_get_folders_by_courses

Returns a list of folders in a provided list of courses, if no list is provided all folders that the user can view will be returned. Please note that this WS is not returning the folder contents. ?

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
folders list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
revision int   //Incremented when after each file changes, to avoid cache
timemodified int   //Last time the folder was modified
display int   //Display type of folder contents on a separate page or inline
showexpanded int   //1 = expanded, 0 = collapsed for sub-folders
showdownloadfolder int   //Whether to show the download folder button
forcedownload int   //Whether file download is forced
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [folders] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [revision] => int
                    [timemodified] => int
                    [display] => int
                    [showexpanded] => int
                    [showdownloadfolder] => int
                    [forcedownload] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="folders">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="revision">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="display">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showexpanded">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showdownloadfolder">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="forcedownload">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_folder_view_folder

Simulate the view.php web interface folder: trigger events, completion, etc...

Arguments

folderid (Required)

folder instance id

```
General structure

int   //folder instance id
```

```
XML-RPC (PHP structure)

[folderid] => int
```

```
REST (POST parameters)

folderid= int
```

?

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_add_discussion

Add a new discussion into an existing forum.

Arguments

forumid (Required)

Forum instance ID

```
General structure

int   //Forum instance ID
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

subject (Required)

New Discussion subject

```
General structure

string   //New Discussion subject
```

```
XML-RPC (PHP structure)

[subject] => string
```

```
REST (POST parameters)

subject= string
```

message (Required)

New Discussion message (only html format allowed)

```
General structure

string   //New Discussion message (only html format allowed)
```

```
XML-RPC (PHP structure)

[message] => string
```

?

```
REST (POST parameters)

message= string
```

groupid (Default to "0")

The group, default to 0

```
General structure

int  Default to "0" //The group, default to 0
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

options (Default to "Array ( ) ")

Options

```
General structure

 Default to "Array
(
)
" //Options
list of (
object {
name string   //The allowed keys (value format) are:
                                        discussionsubscribe (bool); subscribe to the discussion?, default to true
                                        discussionpinned    (bool); is the discussion pinned, default to false
                                        inlineattachmentsid              (int); the draft file area id for inline attachments
                                        attachmentsid       (int); the draft file area id for attachments

value string   //The value of the option,
                                                            This param is validated in the external function.
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

?

General structure

```
object {
discussionid int   //New Discussion ID
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [discussionid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="discussionid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_forum_add_discussion_post

Create new posts into an existing discussion.

Arguments
postid (Required)

the post id we are going to reply to (can be the initial discussion post

```
General structure

int   //the post id we are going to reply to
                                          (can be the initial discussion post
```

```
XML-RPC (PHP structure)

[postid] => int
```

```
REST (POST parameters)

postid= int
```

subject (Required)

new post subject

```
General structure

string   //new post subject
```

```
XML-RPC (PHP structure)

[subject] => string
```

```
REST (POST parameters)

subject= string
```

message (Required)

new post message (html assumed if messageformat is not provided)

```
General structure

string   //new post message (html assumed if messageformat is not provided)
```

```
XML-RPC (PHP structure)

[message] => string
```

```
REST (POST parameters)

message= string
```

options (Default to "Array ( ) ")

Options ?

```
General structure

 Default to "Array
(
)
" //Options
list of (
object {
name string   //The allowed keys (value format) are:
                                        discussionsubscribe (bool); subscribe to the discussion?, default to true
                                        private (bool); make this reply private to the author of the parent post, default to false.
                                        inlineattachmentsid              (int); the draft file area id for inline attachments
                                        attachmentsid       (int); the draft file area id for attachments
                                        topreferredformat (bool); convert the message & messageformat to FORMAT_HTML, defaults to false

value string   //the value of the option,
                                                                this param is validated in the external function.
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

messageformat (Default to "1")

message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN

```
General structure

int  Default to "1" //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
```

```
XML-RPC (PHP structure)

[messageformat] => int
```

```
REST (POST parameters)

messageformat= int
```

Response

?

```
General structure

object {
postid int   //new post id
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)post object {
id int   //id
subject string   //subject
replysubject string   //replysubject
message string   //message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
author object {
id int  Optional //id
fullname string  Optional //fullname
isdeleted int  Optional //isdeleted
groups  Optional //groups
list of (
object {
id int   //id
name string   //name
urls object {
image string  Optional //image
}
}
)urls object {
profile string  Optional //The URL for the use profile page
profileimage string  Optional //The URL for the use profile image
}
}
discussionid int   //discussionid
hasparent int   //hasparent
parentid int  Optional //parentid
timecreated int   //timecreated
timemodified int   //timemodified
unread int  Optional //unread
isdeleted int   //isdeleted
isprivatereply int   //isprivatereply
haswordcount int   //haswordcount
wordcount int  Optional //wordcount
charcount int  Optional //charcount
capabilities object {
view int   //Whether the user can view the post
edit int   //Whether the user can edit the post
delete int   //Whether the user can delete the post
split int   //Whether the user can split the post
reply int   //Whether the user can reply to the post
selfenrol int   //Whether the user can self enrol into the course
export int   //Whether the user can export the post
controlreadstatus int   //Whether the user can control the read status of the post
canreplyprivately int   //Whether the user can post a private reply
}
urls object {
view string  Optional //The URL used to view the post
viewisolated string  Optional //The URL used to view the post in isolation
viewparent string  Optional //The URL used to view the parent of the post
edit string  Optional //The URL used to edit the post
delete string  Optional //The URL used to delete the post
split string  Optional //The URL used to split the discussion with the selected post being the first post in the new discussion
reply string  Optional //The URL used to reply to the post
export string  Optional //The URL used to export the post
markasread string  Optional //The URL used to mark the post as read
markasunread string  Optional //The URL used to mark the post as unread
discuss string  Optional //discuss
}
attachments   //attachments
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
```

?

```
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
urls object {
export string  Optional //The URL used to export the attachment
}
html object {
plagiarism string  Optional //The HTML source for the Plagiarism Response
}
}
)messageinlinefiles  Optional //messageinlinefiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)tags  Optional //tags
list of (
object {
id int   //The ID of the Tag
tagid int   //The tagid
isstandard int   //Whether this is a standard tag
displayname string   //The display name of the tag
flag int   //Wehther this tag is flagged
urls object {
view string   //The URL to view the tag
}
}
)html object {
rating string  Optional //The HTML source to rate the post
taglist string  Optional //The HTML source to view the list of tags
authorsubheading string  Optional //The HTML source to view the author details
}
}
messages  Optional //list of warnings
list of (
  //Messages
object {
type string   //The classification to be used in the client side
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [postid] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    [post] =>
        Array
            (
            [id] => int
            [subject] => string
            [replysubject] => string
            [message] => string
            [messageformat] => int
            [author] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [isdeleted] => int
                    [groups] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [urls] =>
                                        Array
                                            (
                                            [image] => string
                                            )
                                    )
                            )
                    [urls] =>
                        Array
                            (
                            [profile] => string
                            [profileimage] => string
                            )
                    )
            [discussionid] => int
            [hasparent] => int
            [parentid] => int
            [timecreated] => int
            [timemodified] => int
            [unread] => int
            [isdeleted] => int
            [isprivatereply] => int
            [haswordcount] => int
            [wordcount] => int
            [charcount] => int
            [capabilities] =>
                Array
                    (
                    [view] => int
                    [edit] => int
                    [delete] => int
                    [split] => int
                    [reply] => int
                    [selfenrol] => int
                    [export] => int
                    [controlreadstatus] => int
                    [canreplyprivately] => int
                    )
            [urls] =>
                Array
                    (
                    [view] => string
                    [viewisolated] => string
                    [viewparent] => string
                    [edit] => string
```

?

```
            [delete] => string
            [split] => string
            [reply] => string
            [export] => string
            [markasread] => string
            [markasunread] => string
            [discuss] => string
            )
    [attachments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    [urls] =>
                        Array
                            (
                            [export] => string
                            )
                    [html] =>
                        Array
                            (
                            [plagiarism] => string
                            )
                    )
            )
    [messageinlinefiles] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    )
            )
    [tags] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [tagid] => int
                    [isstandard] => int
                    [displayname] => string
                    [flag] => int
                    [urls] =>
                        Array
```

?

```
                                    (
                                    [view] => string
                                    )
                                )
                        )
                [html] =>
                    Array
                        (
                        [rating] => string
                        [taglist] => string
                        [authorsubheading] => string
                        )
                )
        [messages] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [type] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="postid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="post">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="subject">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="replysubject">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="messageformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fullname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isdeleted">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="groups">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="urls">
                                        <SINGLE>
                                            <KEY name="image">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                        <KEY name="urls">
                            <SINGLE>
                                <KEY name="profile">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileimage">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                    </SINGLE>
                </KEY>
```


?

```
<KEY name="discussionid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hasparent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="parentid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timecreated">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="unread">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isdeleted">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isprivatereply">
    <VALUE>int</VALUE>
</KEY>
<KEY name="haswordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="wordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="charcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="capabilities">
    <SINGLE>
        <KEY name="view">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="selfenrol">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="controlreadstatus">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplyprivately">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="urls">
    <SINGLE>
        <KEY name="view">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewisolated">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewparent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reply">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="export">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="markasread">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="markasunread">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="discuss">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="attachments">
        <MULTIPLE>
            <SINGLE>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="export">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="html">
                    <SINGLE>
```


?

```
                    <KEY name="plagiarism">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="messageinlinefiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filearea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isdir">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isimage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="author">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="license">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filenameshort">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesizeformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="icon">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreatedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodifiedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="tags">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tagid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstandard">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="displayname">
                <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="urls">
                            <SINGLE>
                                <KEY name="view">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="html">
                <SINGLE>
                    <KEY name="rating">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="taglist">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="authorsubheading">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="messages">
        <MULTIPLE>
            <SINGLE>
                <KEY name="type">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_forum_can_add_discussion

Check if the current user can add discussions in the given forum (and optionally for the given group).

Arguments

forumid (Required)

Forum instance ID ?

```
General structure

int   //Forum instance ID
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

groupid (Default to "null")

The group to check, default to active group. Use -1 to check if the user can post in all the groups.

```
General structure

int  Default to "null" //The group to check, default to active group.
                                                Use -1 to check if the user can post in all the groups.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
status int   //True if the user can add discussions, false otherwise.
canpindiscussions int  Optional //True if the user can pin discussions, false otherwise.
cancreateattachment int  Optional //True if the user can add attachments, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [canpindiscussions] => int
        [cancreateattachment] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpindiscussions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancreateattachment">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_delete_post

Deletes a post or a discussion completely when the post is the discussion topic.

Arguments

postid (Required)

Post to be deleted. It can be a discussion topic post.

```
General structure

int   //Post to be deleted. It can be a discussion topic post.
```

?

XML-RPC (PHP structure)

```
[postid] => int
```

REST (POST parameters)

```
postid= int
```

Response

General structure

```
object {
status int   //True if the post/discussion was deleted, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_get_discussion_post

Get a particular discussion post.

Arguments

postid (Required)

Post to fetch.

```
General structure

int   //Post to fetch.
```

```
XML-RPC (PHP structure)

[postid] => int
```

```
REST (POST parameters)

postid= int
```

Response

?

```
General structure

object {
post object {
id int   //id
subject string   //subject
replysubject string   //replysubject
message string   //message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
author object {
id int  Optional //id
fullname string  Optional //fullname
isdeleted int  Optional //isdeleted
groups  Optional //groups
list of (
object {
id int   //id
name string   //name
urls object {
image string  Optional //image
}
}
)urls object {
profile string  Optional //The URL for the use profile page
profileimage string  Optional //The URL for the use profile image
}
}
discussionid int   //discussionid
hasparent int   //hasparent
parentid int  Optional //parentid
timecreated int   //timecreated
timemodified int   //timemodified
unread int  Optional //unread
isdeleted int   //isdeleted
isprivatereply int   //isprivatereply
haswordcount int   //haswordcount
wordcount int  Optional //wordcount
charcount int  Optional //charcount
capabilities object {
view int   //Whether the user can view the post
edit int   //Whether the user can edit the post
delete int   //Whether the user can delete the post
split int   //Whether the user can split the post
reply int   //Whether the user can reply to the post
selfenrol int   //Whether the user can self enrol into the course
export int   //Whether the user can export the post
controlreadstatus int   //Whether the user can control the read status of the post
canreplyprivately int   //Whether the user can post a private reply
}
urls object {
view string  Optional //The URL used to view the post
viewisolated string  Optional //The URL used to view the post in isolation
viewparent string  Optional //The URL used to view the parent of the post
edit string  Optional //The URL used to edit the post
delete string  Optional //The URL used to delete the post
split string  Optional //The URL used to split the discussion with the selected post being the first post in the new discussion
reply string  Optional //The URL used to reply to the post
export string  Optional //The URL used to export the post
markasread string  Optional //The URL used to mark the post as read
markasunread string  Optional //The URL used to mark the post as unread
discuss string  Optional //discuss
}
attachments   //attachments
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
urls object {
```

?

```
export string  Optional //The URL used to export the attachment
}
html object {
plagiarism string  Optional //The HTML source for the Plagiarism Response
}
}
)messageinlinefiles  Optional //messageinlinefiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)tags  Optional //tags
list of (
object {
id int   //The ID of the Tag
tagid int   //The tagid
isstandard int   //Whether this is a standard tag
displayname string   //The display name of the tag
flag int   //Wehther this tag is flagged
urls object {
view string   //The URL to view the tag
}
}
)html object {
rating string  Optional //The HTML source to rate the post
taglist string  Optional //The HTML source to view the list of tags
authorsubheading string  Optional //The HTML source to view the author details
}
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [post] =>
        Array
            (
            [id] => int
            [subject] => string
            [replysubject] => string
            [message] => string
            [messageformat] => int
            [author] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [isdeleted] => int
                    [groups] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [urls] =>
                                        Array
                                            (
                                            [image] => string
                                            )
                                    )
                            )
                    [urls] =>
                        Array
                            (
                            [profile] => string
                            [profileimage] => string
                            )
                    )
            [discussionid] => int
            [hasparent] => int
            [parentid] => int
            [timecreated] => int
            [timemodified] => int
            [unread] => int
            [isdeleted] => int
            [isprivatereply] => int
            [haswordcount] => int
            [wordcount] => int
            [charcount] => int
            [capabilities] =>
                Array
                    (
                    [view] => int
                    [edit] => int
                    [delete] => int
                    [split] => int
                    [reply] => int
                    [selfenrol] => int
                    [export] => int
                    [controlreadstatus] => int
                    [canreplyprivately] => int
                    )
            [urls] =>
                Array
                    (
                    [view] => string
                    [viewisolated] => string
                    [viewparent] => string
                    [edit] => string
                    [delete] => string
                    [split] => string
                    [reply] => string
                    [export] => string
                    [markasread] => string
                    [markasunread] => string
                    [discuss] => string
                    )
            [attachments] =>
                Array
                    (
                    [0] =>
                        Array
```

?

```
                (
                [contextid] => int
                [component] => string
                [filearea] => string
                [itemid] => int
                [filepath] => string
                [filename] => string
                [isdir] => int
                [isimage] => int
                [timemodified] => int
                [timecreated] => int
                [filesize] => int
                [author] => string
                [license] => string
                [filenameshort] => string
                [filesizeformatted] => string
                [icon] => string
                [timecreatedformatted] => string
                [timemodifiedformatted] => string
                [url] => string
                [urls] =>
                    Array
                        (
                        [export] => string
                        )
                [html] =>
                    Array
                        (
                        [plagiarism] => string
                        )
                )
        )
[messageinlinefiles] =>
    Array
        (
        [0] =>
            Array
                (
                [contextid] => int
                [component] => string
                [filearea] => string
                [itemid] => int
                [filepath] => string
                [filename] => string
                [isdir] => int
                [isimage] => int
                [timemodified] => int
                [timecreated] => int
                [filesize] => int
                [author] => string
                [license] => string
                [filenameshort] => string
                [filesizeformatted] => string
                [icon] => string
                [timecreatedformatted] => string
                [timemodifiedformatted] => string
                [url] => string
                )
        )
[tags] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [tagid] => int
                [isstandard] => int
                [displayname] => string
                [flag] => int
                [urls] =>
                    Array
                        (
                        [view] => string
                        )
                )
        )
[html] =>
    Array
        (
        [rating] => string
        [taglist] => string
        [authorsubheading] => string
        )
)
```

?

```
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="post">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="subject">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="replysubject">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="messageformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fullname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isdeleted">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="groups">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="urls">
                                        <SINGLE>
                                            <KEY name="image">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                        <KEY name="urls">
                            <SINGLE>
                                <KEY name="profile">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="profileimage">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="discussionid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="hasparent">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="parentid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="unread">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isdeleted">
                    <VALUE>int</VALUE>
                </KEY>
```


?

```
<KEY name="isprivatereply">
    <VALUE>int</VALUE>
</KEY>
<KEY name="haswordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="wordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="charcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="capabilities">
    <SINGLE>
        <KEY name="view">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="selfenrol">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="controlreadstatus">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplyprivately">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="urls">
    <SINGLE>
        <KEY name="view">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewisolated">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewparent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasunread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="discuss">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="attachments">
    <MULTIPLE>
        <SINGLE>
            <KEY name="contextid">
                <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="export">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="html">
                    <SINGLE>
                        <KEY name="plagiarism">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messageinlinefiles">
        <MULTIPLE>
            <SINGLE>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isdir">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isimage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="author">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="license">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filenameshort">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesizeformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="icon">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreatedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodifiedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="tags">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tagid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstandard">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="displayname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="flag">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="urls">
                <SINGLE>
                    <KEY name="view">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="html">
    <SINGLE>
        <KEY name="rating">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="taglist">
            <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="authorsubheading">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_get_discussion_posts

Returns a list of forum posts for a discussion.

Arguments

discussionid (Required)

The ID of the discussion from which to fetch posts.

```
General structure

int   //The ID of the discussion from which to fetch posts.
```

```
XML-RPC (PHP structure)

[discussionid] => int
```

?

```
REST (POST parameters)

discussionid= int
```

sortby (Default to "created")

Sort by this element: id, created or modified

```
General structure

string  Default to "created" //Sort by this element: id, created or modified
```

```
XML-RPC (PHP structure)

[sortby] => string
```

```
REST (POST parameters)

sortby= string
```

sortdirection (Default to "DESC")

Sort direction: ASC or DESC

```
General structure

string  Default to "DESC" //Sort direction: ASC or DESC
```

```
XML-RPC (PHP structure)

[sortdirection] => string
```

```
REST (POST parameters)

sortdirection= string
```

includeinlineattachments (Default to "")

Whether inline attachments should be included or not

```
General structure

int  Default to "" //Whether inline attachments should be included or not
```

```
XML-RPC (PHP structure)

[includeinlineattachments] => int
```

```
REST (POST parameters)

includeinlineattachments= int
```

Response

?

```
General structure

object {
posts list of (
object {
id int   //id
subject string   //subject
replysubject string   //replysubject
message string   //message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
author object {
id int  Optional //id
fullname string  Optional //fullname
isdeleted int  Optional //isdeleted
groups  Optional //groups
list of (
object {
id int   //id
name string   //name
urls object {
image string  Optional //image
}
}
)urls object {
profile string  Optional //The URL for the use profile page
profileimage string  Optional //The URL for the use profile image
}
}
discussionid int   //discussionid
hasparent int   //hasparent
parentid int  Optional //parentid
timecreated int   //timecreated
timemodified int   //timemodified
unread int  Optional //unread
isdeleted int   //isdeleted
isprivatereply int   //isprivatereply
haswordcount int   //haswordcount
wordcount int  Optional //wordcount
charcount int  Optional //charcount
capabilities object {
view int   //Whether the user can view the post
edit int   //Whether the user can edit the post
delete int   //Whether the user can delete the post
split int   //Whether the user can split the post
reply int   //Whether the user can reply to the post
selfenrol int   //Whether the user can self enrol into the course
export int   //Whether the user can export the post
controlreadstatus int   //Whether the user can control the read status of the post
canreplyprivately int   //Whether the user can post a private reply
}
urls object {
view string  Optional //The URL used to view the post
viewisolated string  Optional //The URL used to view the post in isolation
viewparent string  Optional //The URL used to view the parent of the post
edit string  Optional //The URL used to edit the post
delete string  Optional //The URL used to delete the post
split string  Optional //The URL used to split the discussion with the selected post being the first post in the new discussion
reply string  Optional //The URL used to reply to the post
export string  Optional //The URL used to export the post
markasread string  Optional //The URL used to mark the post as read
markasunread string  Optional //The URL used to mark the post as unread
discuss string  Optional //discuss
}
attachments   //attachments
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
```

?

```
urls object {
export string  Optional //The URL used to export the attachment
}
html object {
plagiarism string  Optional //The HTML source for the Plagiarism Response
}
}
)messageinlinefiles  Optional //messageinlinefiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)tags  Optional //tags
list of (
object {
id int   //The ID of the Tag
tagid int   //The tagid
isstandard int   //Whether this is a standard tag
displayname string   //The display name of the tag
flag int   //Wehther this tag is flagged
urls object {
view string   //The URL to view the tag
}
}
)html object {
rating string  Optional //The HTML source to rate the post
taglist string  Optional //The HTML source to view the list of tags
authorsubheading string  Optional //The HTML source to view the author details
}
}
)forumid int   //The forum id
courseid int   //The forum course id
ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
```

?

```
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [posts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [subject] => string
                    [replysubject] => string
                    [message] => string
                    [messageformat] => int
                    [author] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [isdeleted] => int
                            [groups] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [name] => string
                                            [urls] =>
                                                Array
                                                    (
                                                    [image] => string
                                                    )
                                            )
                                    )
                            [urls] =>
                                Array
                                    (
                                    [profile] => string
                                    [profileimage] => string
                                    )
                            )
                    [discussionid] => int
                    [hasparent] => int
                    [parentid] => int
                    [timecreated] => int
                    [timemodified] => int
                    [unread] => int
                    [isdeleted] => int
                    [isprivatereply] => int
                    [haswordcount] => int
                    [wordcount] => int
                    [charcount] => int
                    [capabilities] =>
                        Array
                            (
                            [view] => int
                            [edit] => int
                            [delete] => int
                            [split] => int
                            [reply] => int
                            [selfenrol] => int
                            [export] => int
                            [controlreadstatus] => int
                            [canreplyprivately] => int
                            )
                    [urls] =>
                        Array
                            (
                            [view] => string
                            [viewisolated] => string
                            [viewparent] => string
                            [edit] => string
                            [delete] => string
                            [split] => string
                            [reply] => string
                            [export] => string
                            [markasread] => string
                            [markasunread] => string
                            [discuss] => string
                            )
                    [attachments] =>
                        Array
```

?

```
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    [urls] =>
                        Array
                            (
                            [export] => string
                            )
                    [html] =>
                        Array
                            (
                            [plagiarism] => string
                            )
                    )
            )
        [messageinlinefiles] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [contextid] => int
                        [component] => string
                        [filearea] => string
                        [itemid] => int
                        [filepath] => string
                        [filename] => string
                        [isdir] => int
                        [isimage] => int
                        [timemodified] => int
                        [timecreated] => int
                        [filesize] => int
                        [author] => string
                        [license] => string
                        [filenameshort] => string
                        [filesizeformatted] => string
                        [icon] => string
                        [timecreatedformatted] => string
                        [timemodifiedformatted] => string
                        [url] => string
                        )
                )
        [tags] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [tagid] => int
                        [isstandard] => int
                        [displayname] => string
                        [flag] => int
                        [urls] =>
                            Array
                                (
                                [view] => string
                                )
                        )
                )
        [html] =>
            Array
                (
                [rating] => string
                [taglist] => string
```

?

```
                            [authorsubheading] => string
                            )
                    )
            )
        [forumid] => int
        [courseid] => int
        [ratinginfo] =>
            Array
                (
                [contextid] => int
                [component] => string
                [ratingarea] => string
                [canviewall] => int
                [canviewany] => int
                [scales] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [courseid] => int
                                [name] => string
                                [max] => int
                                [isnumeric] => int
                                [items] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [value] => int
                                                [name] => string
                                                )
                                        )
                                )
                        )
                [ratings] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [itemid] => int
                                [scaleid] => int
                                [userid] => int
                                [aggregate] => double
                                [aggregatestr] => string
                                [aggregatelabel] => string
                                [count] => int
                                [rating] => int
                                [canrate] => int
                                [canviewaggregate] => int
                                )
                        )
            )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="posts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="replysubject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="messageformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="author">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isdeleted">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="groups">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="name">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="urls">
                                            <SINGLE>
                                                <KEY name="image">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                            </SINGLE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="urls">
                                <SINGLE>
                                    <KEY name="profile">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="profileimage">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="discussionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasparent">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="unread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdeleted">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="isprivatereply">
    <VALUE>int</VALUE>
</KEY>
<KEY name="haswordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="wordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="charcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="capabilities">
    <SINGLE>
        <KEY name="view">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="selfenrol">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="controlreadstatus">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplyprivately">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="urls">
    <SINGLE>
        <KEY name="view">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewisolated">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewparent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasunread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="discuss">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="attachments">
    <MULTIPLE>
        <SINGLE>
            <KEY name="contextid">
```


?

```
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="export">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="html">
                    <SINGLE>
                        <KEY name="plagiarism">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messageinlinefiles">
        <MULTIPLE>
            <SINGLE>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="tags">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="tagid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isstandard">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="displayname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="flag">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="view">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="html">
        <SINGLE>
            <KEY name="rating">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="taglist">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="authorsubheading">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="forumid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="courseid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
```


?

```
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="count">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="rating">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canrate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canviewaggregate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_forum_get_discussion_posts_by_userid

Returns a list of forum posts for a discussion for a user.

Arguments

userid (Required)

The ID of the user of whom to fetch posts.

?

```
General structure

int   //The ID of the user of whom to fetch posts.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

cmid (Required)

The ID of the module of which to fetch items.

```
General structure

int   //The ID of the module of which to fetch items.
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

sortby (Default to "created")

Sort by this element: id, created or modified

```
General structure

string  Default to "created" //Sort by this element: id, created or modified
```

```
XML-RPC (PHP structure)

[sortby] => string
```

```
REST (POST parameters)

sortby= string
```

sortdirection (Default to "DESC")

Sort direction: ASC or DESC

```
General structure

string  Default to "DESC" //Sort direction: ASC or DESC
```

```
XML-RPC (PHP structure)

[sortdirection] => string
```

```
REST (POST parameters)

sortdirection= string
```

Response

?

```
General structure

object {
discussions list of (
object {
name string   //Name of the discussion
id int   //ID of the discussion
timecreated int   //Timestamp of the discussion start
authorfullname string   //Full name of the user that started the discussion
posts object {
userposts list of (
object {
id int   //id
subject string   //subject
replysubject string   //replysubject
message string   //message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
author object {
id int  Optional //id
fullname string  Optional //fullname
isdeleted int  Optional //isdeleted
groups  Optional //groups
list of (
object {
id int   //id
name string   //name
urls object {
image string  Optional //image
}
}
)urls object {
profile string  Optional //The URL for the use profile page
profileimage string  Optional //The URL for the use profile image
}
}
discussionid int   //discussionid
hasparent int   //hasparent
parentid int  Optional //parentid
timecreated int   //timecreated
timemodified int   //timemodified
unread int  Optional //unread
isdeleted int   //isdeleted
isprivatereply int   //isprivatereply
haswordcount int   //haswordcount
wordcount int  Optional //wordcount
charcount int  Optional //charcount
capabilities object {
view int   //Whether the user can view the post
edit int   //Whether the user can edit the post
delete int   //Whether the user can delete the post
split int   //Whether the user can split the post
reply int   //Whether the user can reply to the post
selfenrol int   //Whether the user can self enrol into the course
export int   //Whether the user can export the post
controlreadstatus int   //Whether the user can control the read status of the post
canreplyprivately int   //Whether the user can post a private reply
}
urls object {
view string  Optional //The URL used to view the post
viewisolated string  Optional //The URL used to view the post in isolation
viewparent string  Optional //The URL used to view the parent of the post
edit string  Optional //The URL used to edit the post
delete string  Optional //The URL used to delete the post
split string  Optional //The URL used to split the discussion with the selected post being the first post in the new discussion
reply string  Optional //The URL used to reply to the post
export string  Optional //The URL used to export the post
markasread string  Optional //The URL used to mark the post as read
markasunread string  Optional //The URL used to mark the post as unread
discuss string  Optional //discuss
}
attachments   //attachments
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
```

?

```
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
urls object {
export string  Optional //The URL used to export the attachment
}
html object {
plagiarism string  Optional //The HTML source for the Plagiarism Response
}
}
)messageinlinefiles  Optional //messageinlinefiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)tags  Optional //tags
list of (
object {
id int   //The ID of the Tag
tagid int   //The tagid
isstandard int   //Whether this is a standard tag
displayname string   //The display name of the tag
flag int   //Wehther this tag is flagged
urls object {
view string   //The URL to view the tag
}
}
)html object {
rating string  Optional //The HTML source to rate the post
taglist string  Optional //The HTML source to view the list of tags
authorsubheading string  Optional //The HTML source to view the author details
}
}
)parentposts list of (
object {
id int   //id
subject string   //subject
replysubject string   //replysubject
message string   //message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
author object {
id int  Optional //id
fullname string  Optional //fullname
isdeleted int  Optional //isdeleted
groups  Optional //groups
list of (
object {
id int   //id
name string   //name
urls object {
image string  Optional //image
}
}
)urls object {
profile string  Optional //The URL for the use profile page
profileimage string  Optional //The URL for the use profile image
}
}
discussionid int   //discussionid
hasparent int   //hasparent
parentid int  Optional //parentid
timecreated int   //timecreated
timemodified int   //timemodified
```

?

```
unread int  Optional //unread
isdeleted int   //isdeleted
isprivatereply int   //isprivatereply
haswordcount int   //haswordcount
wordcount int  Optional //wordcount
charcount int  Optional //charcount
capabilities object {
view int   //Whether the user can view the post
edit int   //Whether the user can edit the post
delete int   //Whether the user can delete the post
split int   //Whether the user can split the post
reply int   //Whether the user can reply to the post
selfenrol int   //Whether the user can self enrol into the course
export int   //Whether the user can export the post
controlreadstatus int   //Whether the user can control the read status of the post
canreplyprivately int   //Whether the user can post a private reply
}
urls object {
view string  Optional //The URL used to view the post
viewisolated string  Optional //The URL used to view the post in isolation
viewparent string  Optional //The URL used to view the parent of the post
edit string  Optional //The URL used to edit the post
delete string  Optional //The URL used to delete the post
split string  Optional //The URL used to split the discussion with the selected post being the first post in the new discussion
reply string  Optional //The URL used to reply to the post
export string  Optional //The URL used to export the post
markasread string  Optional //The URL used to mark the post as read
markasunread string  Optional //The URL used to mark the post as unread
discuss string  Optional //discuss
}
attachments   //attachments
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
urls object {
export string  Optional //The URL used to export the attachment
}
html object {
plagiarism string  Optional //The HTML source for the PLagiarism Response
}
}
)messageinlinefiles  Optional //messageinlinefiles
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)tags  Optional //tags
list of (
object {
```

?

```
id int   //The ID of the Tag
tagid int   //The tagid
isstandard int   //Whether this is a standard tag
displayname string   //The display name of the tag
flag int   //Wehther this tag is flagged
urls object {
view string   //The URL to view the tag
}
}
)html object {
rating string  Optional //The HTML source to rate the post
taglist string  Optional //The HTML source to view the list of tags
authorsubheading string  Optional //The HTML source to view the author details
}
}
)}
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [discussions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [id] => int
                    [timecreated] => int
                    [authorfullname] => string
                    [posts] =>
                        Array
                            (
                            [userposts] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [subject] => string
                                            [replysubject] => string
                                            [message] => string
                                            [messageformat] => int
                                            [author] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [fullname] => string
                                                    [isdeleted] => int
                                                    [groups] =>
                                                        Array
                                                            (
                                                            [0] =>
                                                                Array
                                                                    (
                                                                    [id] => int
                                                                    [name] => string
                                                                    [urls] =>
                                                                        Array
                                                                            (
                                                                            [image] => string
                                                                            )
                                                                    )
                                                            )
                                                    [urls] =>
                                                        Array
                                                            (
                                                            [profile] => string
                                                            [profileimage] => string
                                                            )
                                                    )
                                            [discussionid] => int
                                            [hasparent] => int
                                            [parentid] => int
                                            [timecreated] => int
                                            [timemodified] => int
                                            [unread] => int
                                            [isdeleted] => int
                                            [isprivatereply] => int
                                            [haswordcount] => int
                                            [wordcount] => int
                                            [charcount] => int
                                            [capabilities] =>
                                                Array
                                                    (
                                                    [view] => int
                                                    [edit] => int
                                                    [delete] => int
                                                    [split] => int
                                                    [reply] => int
                                                    [selfenrol] => int
                                                    [export] => int
                                                    [controlreadstatus] => int
                                                    [canreplyprivately] => int
                                                    )
                                            [urls] =>
                                                Array
                                                    (
                                                    [view] => string
```

?

```
            [viewisolated] => string
            [viewparent] => string
            [edit] => string
            [delete] => string
            [split] => string
            [reply] => string
            [export] => string
            [markasread] => string
            [markasunread] => string
            [discuss] => string
            )
        [attachments] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [contextid] => int
                        [component] => string
                        [filearea] => string
                        [itemid] => int
                        [filepath] => string
                        [filename] => string
                        [isdir] => int
                        [isimage] => int
                        [timemodified] => int
                        [timecreated] => int
                        [filesize] => int
                        [author] => string
                        [license] => string
                        [filenameshort] => string
                        [filesizeformatted] => string
                        [icon] => string
                        [timecreatedformatted] => string
                        [timemodifiedformatted] => string
                        [url] => string
                        [urls] =>
                            Array
                                (
                                [export] => string
                                )
                        [html] =>
                            Array
                                (
                                [plagiarism] => string
                                )
                        )
                )
        [messageinlinefiles] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [contextid] => int
                        [component] => string
                        [filearea] => string
                        [itemid] => int
                        [filepath] => string
                        [filename] => string
                        [isdir] => int
                        [isimage] => int
                        [timemodified] => int
                        [timecreated] => int
                        [filesize] => int
                        [author] => string
                        [license] => string
                        [filenameshort] => string
                        [filesizeformatted] => string
                        [icon] => string
                        [timecreatedformatted] => string
                        [timemodifiedformatted] => string
                        [url] => string
                        )
                )
        [tags] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [tagid] => int
                        [isstandard] => int
                        [displayname] => string
```

?

```
                                    [flag] => int
                                    [urls] =>
                                        Array
                                            (
                                            [view] => string
                                            )
                                    )
                                )
                            [html] =>
                                Array
                                    (
                                    [rating] => string
                                    [taglist] => string
                                    [authorsubheading] => string
                                    )
                            )
                        )
                [parentposts] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [subject] => string
                                [replysubject] => string
                                [message] => string
                                [messageformat] => int
                                [author] =>
                                    Array
                                        (
                                        [id] => int
                                        [fullname] => string
                                        [isdeleted] => int
                                        [groups] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [id] => int
                                                        [name] => string
                                                        [urls] =>
                                                            Array
                                                                (
                                                                [image] => string
                                                                )
                                                        )
                                                )
                                        [urls] =>
                                            Array
                                                (
                                                [profile] => string
                                                [profileimage] => string
                                                )
                                        )
                                [discussionid] => int
                                [hasparent] => int
                                [parentid] => int
                                [timecreated] => int
                                [timemodified] => int
                                [unread] => int
                                [isdeleted] => int
                                [isprivatereply] => int
                                [haswordcount] => int
                                [wordcount] => int
                                [charcount] => int
                                [capabilities] =>
                                    Array
                                        (
                                        [view] => int
                                        [edit] => int
                                        [delete] => int
                                        [split] => int
                                        [reply] => int
                                        [selfenrol] => int
                                        [export] => int
                                        [controlreadstatus] => int
                                        [canreplyprivately] => int
                                        )
                                [urls] =>
                                    Array
                                        (
                                        [view] => string
                                        [viewisolated] => string
```

?

```
            [viewparent] => string
            [edit] => string
            [delete] => string
            [split] => string
            [reply] => string
            [export] => string
            [markasread] => string
            [markasunread] => string
            [discuss] => string
            )
    [attachments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    [urls] =>
                        Array
                            (
                            [export] => string
                            )
                    [html] =>
                        Array
                            (
                            [plagiarism] => string
                            )
                    )
            )
    [messageinlinefiles] =>
        Array
            (
            [0] =>
                Array
                    (
                    [contextid] => int
                    [component] => string
                    [filearea] => string
                    [itemid] => int
                    [filepath] => string
                    [filename] => string
                    [isdir] => int
                    [isimage] => int
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    )
            )
    [tags] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [tagid] => int
                    [isstandard] => int
                    [displayname] => string
                    [flag] => int
```

?

```
                                                [urls] =>
                                                    Array
                                                        (
                                                        [view] => string
                                                        )
                                                )
                                            )
                                        [html] =>
                                            Array
                                                (
                                                [rating] => string
                                                [taglist] => string
                                                [authorsubheading] => string
                                                )
                                        )
                                    )
                                )
                            )
                        )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="discussions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="authorfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="posts">
                        <SINGLE>
                            <KEY name="userposts">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="subject">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="replysubject">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="message">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="messageformat">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="author">
                                            <SINGLE>
                                                <KEY name="id">
                                                    <VALUE>int</VALUE>
                                                </KEY>
                                                <KEY name="fullname">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                                <KEY name="isdeleted">
                                                    <VALUE>int</VALUE>
                                                </KEY>
                                                <KEY name="groups">
                                                    <MULTIPLE>
                                                        <SINGLE>
                                                            <KEY name="id">
                                                                <VALUE>int</VALUE>
                                                            </KEY>
                                                            <KEY name="name">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="urls">
                                                                <SINGLE>
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                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                </SINGLE>
                                                            </KEY>
                                                        </SINGLE>
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                                                </KEY>
                                                <KEY name="urls">
                                                    <SINGLE>
                                                        <KEY name="profile">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                        <KEY name="profileimage">
                                                            <VALUE>string</VALUE>
                                                        </KEY>
                                                    </SINGLE>
                                                </KEY>
                                            </SINGLE>
                                        </KEY>
                                        <KEY name="discussionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
```


?

```
<KEY name="hasparent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="parentid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timecreated">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="unread">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isdeleted">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isprivatereply">
    <VALUE>int</VALUE>
</KEY>
<KEY name="haswordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="wordcount">
    <VALUE>int</VALUE>
</KEY>
<KEY name="charcount">
    <VALUE>int</VALUE>
</KEY>
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    <SINGLE>
        <KEY name="view">
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        </KEY>
        <KEY name="edit">
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        </KEY>
        <KEY name="delete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="selfenrol">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="controlreadstatus">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplyprivately">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="urls">
    <SINGLE>
        <KEY name="view">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewisolated">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewparent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="export">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="markasread">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="markasunread">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="discuss">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="attachments">
        <MULTIPLE>
            <SINGLE>
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                </KEY>
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                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
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                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
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                </KEY>
                <KEY name="isimage">
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                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
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                <KEY name="filesize">
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                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
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                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
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                <KEY name="timemodifiedformatted">
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                </KEY>
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                <KEY name="urls">
                    <SINGLE>
                        <KEY name="export">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="html">
                    <SINGLE>
                        <KEY name="plagiarism">
                            <VALUE>string</VALUE>
                        </KEY>
```


?

```
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="messageinlinefiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="component">
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            </KEY>
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            <KEY name="isimage">
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            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
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            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="author">
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            </KEY>
            <KEY name="license">
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            </KEY>
            <KEY name="tagid">
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            </KEY>
            <KEY name="isstandard">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="displayname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="flag">
                <VALUE>int</VALUE>
```


?

```
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                                <VALUE>string</VALUE>
                            </KEY>
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                    </KEY>
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        </KEY>
        <KEY name="html">
            <SINGLE>
                <KEY name="rating">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="taglist">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="authorsubheading">
                    <VALUE>string</VALUE>
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</MULTIPLE>
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            <KEY name="subject">
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            </KEY>
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            </KEY>
            <KEY name="messageformat">
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                            </KEY>
                            <KEY name="profileimage">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
```


?

```
    </SINGLE>
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    <VALUE>int</VALUE>
</KEY>
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</KEY>
<KEY name="timemodified">
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</KEY>
<KEY name="unread">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isdeleted">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isprivatereply">
    <VALUE>int</VALUE>
</KEY>
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    <VALUE>int</VALUE>
</KEY>
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<KEY name="charcount">
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</KEY>
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        </KEY>
        <KEY name="edit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="delete">
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        </KEY>
        <KEY name="split">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="selfenrol">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="controlreadstatus">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplyprivately">
            <VALUE>int</VALUE>
        </KEY>
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    <SINGLE>
        <KEY name="view">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewisolated">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="viewparent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="edit">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="delete">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="split">
            <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="reply">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="export">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="markasunread">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="discuss">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="attachments">
    <MULTIPLE>
        <SINGLE>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="component">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filearea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isdir">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isimage">
                <VALUE>int</VALUE>
            </KEY>
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            </KEY>
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            <KEY name="filesize">
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            </KEY>
            <KEY name="author">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="license">
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            </KEY>
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            </KEY>
            <KEY name="icon">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreatedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodifiedformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="urls">
                <SINGLE>
                    <KEY name="export">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
```


?

```
                <KEY name="html">
                    <SINGLE>
                        <KEY name="plagiarism">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="messageinlinefiles">
        <MULTIPLE>
            <SINGLE>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="component">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filearea">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filepath">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filename">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isdir">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isimage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filesize">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="tags">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="tagid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isstandard">
                    <VALUE>int</VALUE>
                </KEY>
```


?

```
                                        <KEY name="displayname">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="flag">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="urls">
                                            <SINGLE>
                                                <KEY name="view">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                            </SINGLE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="html">
                                <SINGLE>
                                    <KEY name="rating">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="taglist">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="authorsubheading">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warningcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="message">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
</SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

mod_forum_get_forum_access_information

Return capabilities information for a given forum.

Arguments

forumid (Required)

Forum instance id.

```
General structure

int   //Forum instance id.
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)canaddinstance int  Optional //Whether the user has the capability mod/forum:addinstance allowed.
canviewdiscussion int  Optional //Whether the user has the capability mod/forum:viewdiscussion allowed.
canviewhiddentimedposts int  Optional //Whether the user has the capability mod/forum:viewhiddentimedposts allowed.
canstartdiscussion int  Optional //Whether the user has the capability mod/forum:startdiscussion allowed.
canreplypost int  Optional //Whether the user has the capability mod/forum:replypost allowed.
canaddnews int  Optional //Whether the user has the capability mod/forum:addnews allowed.
canreplynews int  Optional //Whether the user has the capability mod/forum:replynews allowed.
canviewrating int  Optional //Whether the user has the capability mod/forum:viewrating allowed.
canviewanyrating int  Optional //Whether the user has the capability mod/forum:viewanyrating allowed.
canviewallratings int  Optional //Whether the user has the capability mod/forum:viewallratings allowed.
canrate int  Optional //Whether the user has the capability mod/forum:rate allowed.
canpostprivatereply int  Optional //Whether the user has the capability mod/forum:postprivatereply allowed.
canreadprivatereplies int  Optional //Whether the user has the capability mod/forum:readprivatereplies allowed.
cancreateattachment int  Optional //Whether the user has the capability mod/forum:createattachment allowed.
candeleteownpost int  Optional //Whether the user has the capability mod/forum:deleteownpost allowed.
candeleteanypost int  Optional //Whether the user has the capability mod/forum:deleteanypost allowed.
cansplitdiscussions int  Optional //Whether the user has the capability mod/forum:splitdiscussions allowed.
canmovediscussions int  Optional //Whether the user has the capability mod/forum:movediscussions allowed.
canpindiscussions int  Optional //Whether the user has the capability mod/forum:pindiscussions allowed.
caneditanypost int  Optional //Whether the user has the capability mod/forum:editanypost allowed.
canviewqandawithoutposting int  Optional //Whether the user has the capability mod/forum:viewqandawithoutposting allowed.
canviewsubscribers int  Optional //Whether the user has the capability mod/forum:viewsubscribers allowed.
canmanagesubscriptions int  Optional //Whether the user has the capability mod/forum:managesubscriptions allowed.
canpostwithoutthrottling int  Optional //Whether the user has the capability mod/forum:postwithoutthrottling allowed.
canexportdiscussion int  Optional //Whether the user has the capability mod/forum:exportdiscussion allowed.
canexportforum int  Optional //Whether the user has the capability mod/forum:exportforum allowed.
canexportpost int  Optional //Whether the user has the capability mod/forum:exportpost allowed.
canexportownpost int  Optional //Whether the user has the capability mod/forum:exportownpost allowed.
canaddquestion int  Optional //Whether the user has the capability mod/forum:addquestion allowed.
canallowforcesubscribe int  Optional //Whether the user has the capability mod/forum:allowforcesubscribe allowed.
cancanposttomygroups int  Optional //Whether the user has the capability mod/forum:canposttomygroups allowed.
cancanoverridediscussionlock int  Optional //Whether the user has the capability mod/forum:canoverridediscussionlock allowed.
cancanoverridecutoff int  Optional //Whether the user has the capability mod/forum:canoverridecutoff allowed.
cancantogglefavourite int  Optional //Whether the user has the capability mod/forum:cantogglefavourite allowed.
cangrade int  Optional //Whether the user has the capability mod/forum:grade allowed.
cancanmailnow int  Optional //Whether the user has the capability mod/forum:canmailnow allowed.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    [canaddinstance] => int
    [canviewdiscussion] => int
    [canviewhiddentimedposts] => int
    [canstartdiscussion] => int
    [canreplypost] => int
    [canaddnews] => int
    [canreplynews] => int
    [canviewrating] => int
    [canviewanyrating] => int
    [canviewallratings] => int
    [canrate] => int
    [canpostprivatereply] => int
    [canreadprivatereplies] => int
    [cancreateattachment] => int
    [candeleteownpost] => int
    [candeleteanypost] => int
    [cansplitdiscussions] => int
    [canmovediscussions] => int
    [canpindiscussions] => int
    [caneditanypost] => int
    [canviewqandawithoutposting] => int
    [canviewsubscribers] => int
    [canmanagesubscriptions] => int
    [canpostwithoutthrottling] => int
    [canexportdiscussion] => int
    [canexportforum] => int
    [canexportpost] => int
    [canexportownpost] => int
    [canaddquestion] => int
    [canallowforcesubscribe] => int
    [cancanposttomygroups] => int
    [cancanoverridediscussionlock] => int
    [cancanoverridecutoff] => int
    [cancantogglefavourite] => int
    [cangrade] => int
    [cancanmailnow] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canaddinstance">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewdiscussion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewhiddentimedposts">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canstartdiscussion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplypost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canaddnews">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreplynews">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewrating">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewanyrating">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewallratings">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpostprivatereply">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreadprivatereplies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancreateattachment">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeleteownpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeleteanypost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cansplitdiscussions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmovediscussions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpindiscussions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="caneditanypost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewqandawithoutposting">
            <VALUE>int</VALUE>
```


?

```
        </KEY>
        <KEY name="canviewsubscribers">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagesubscriptions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpostwithoutthrottling">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canexportdiscussion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canexportforum">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canexportpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canexportownpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canaddquestion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canallowforcesubscribe">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancanposttomygroups">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancanoverridediscussionlock">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancanoverridecutoff">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancantogglefavourite">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cangrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cancanmailnow">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_get_forum_discussions

Returns a list of forum discussions optionally sorted and paginated.

?

Arguments

forumid (Required)

forum instance id

```
General structure

int   //forum instance id
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

sortorder (Default to "-1")

sort by this element: numreplies, , created or timemodified

```
General structure

int  Default to "-1" //sort by this element: numreplies, , created or timemodified
```

```
XML-RPC (PHP structure)

[sortorder] => int
```

```
REST (POST parameters)

sortorder= int
```

page (Default to "-1")

current page

```
General structure

int  Default to "-1" //current page
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

items per page

```
General structure

int  Default to "0" //items per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

groupid (Default to "0") ?

group id

```
General structure

int  Default to "0" //group id
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
discussions list of (
  //post
object {
id int   //Post id
name string   //Discussion name
groupid int   //Group id
timemodified int   //Time modified
usermodified int   //The id of the user who last modified
timestart int   //Time discussion can start
timeend int   //Time discussion ends
discussion int   //Discussion id
parent int   //Parent id
userid int   //User who started the discussion id
created int   //Creation time
modified int   //Time modified
mailed int   //Mailed?
subject string   //The post subject
message string   //The post message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
messagetrust int   //Can we trust?
messageinlinefiles  Optional //post message inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment string   //Has attachments?
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)totalscore int   //The post message total score
mailnow int   //Mail now?
userfullname string   //Post author full name
usermodifiedfullname string   //Post modifier full name
userpictureurl string   //Post author picture.
usermodifiedpictureurl string   //Post modifier picture.
numreplies int   //The number of replies in the discussion
numunread int   //The number of unread discussions.
pinned int   //Is the discussion pinned
locked int   //Is the discussion locked
starred int   //Is the discussion starred
canreply int   //Can the user reply to the discussion
canlock int   //Can the user lock the discussion
canfavourite int   //Can the user star the discussion
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [discussions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [groupid] => int
                    [timemodified] => int
                    [usermodified] => int
                    [timestart] => int
                    [timeend] => int
                    [discussion] => int
                    [parent] => int
                    [userid] => int
                    [created] => int
                    [modified] => int
                    [mailed] => int
                    [subject] => string
                    [message] => string
                    [messageformat] => int
                    [messagetrust] => int
                    [messageinlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => string
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [totalscore] => int
                    [mailnow] => int
                    [userfullname] => string
                    [usermodifiedfullname] => string
                    [userpictureurl] => string
                    [usermodifiedpictureurl] => string
                    [numreplies] => int
                    [numunread] => int
                    [pinned] => int
                    [locked] => int
                    [starred] => int
                    [canreply] => int
                    [canlock] => int
                    [canfavourite] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
```

?

```
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="discussions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeend">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="discussion">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parent">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mailed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="messageformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="messagetrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="messageinlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="attachment">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="attachments">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="totalscore">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mailnow">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userfullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="usermodifiedfullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="userpictureurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="usermodifiedpictureurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="numreplies">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numunread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pinned">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="locked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="starred">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canreply">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canlock">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canfavourite">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_get_forum_discussions_paginated Deprecated

** DEPRECATED ** Please do not call this function any more. Returns a list of forum discussions optionally sorted and paginated.

Arguments

forumid (Required)

forum instance id

```
General structure

int   //forum instance id
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

sortby (Default to "timemodified")

sort by this element: id, timemodified, timestart or timeend

```
General structure

string  Default to "timemodified" //sort by this element: id, timemodified, timestart or timeend
```

?

```
XML-RPC (PHP structure)

[sortby] => string
```

```
REST (POST parameters)

sortby= string
```

sortdirection (Default to "DESC")

sort direction: ASC or DESC

```
General structure

string  Default to "DESC" //sort direction: ASC or DESC
```

```
XML-RPC (PHP structure)

[sortdirection] => string
```

```
REST (POST parameters)

sortdirection= string
```

page (Default to "-1")

current page

```
General structure

int  Default to "-1" //current page
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

items per page

```
General structure

int  Default to "0" //items per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
discussions list of (
  //post
object {
id int   //Post id
name string   //Discussion name
groupid int   //Group id
timemodified int   //Time modified
usermodified int   //The id of the user who last modified
timestart int   //Time discussion can start
timeend int   //Time discussion ends
discussion int   //Discussion id
parent int   //Parent id
userid int   //User who started the discussion id
created int   //Creation time
modified int   //Time modified
mailed int   //Mailed?
subject string   //The post subject
message string   //The post message
messageformat int   //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
messagetrust int   //Can we trust?
messageinlinefiles  Optional //post message inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment string   //Has attachments?
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)totalscore int   //The post message total score
mailnow int   //Mail now?
userfullname string   //Post author full name
usermodifiedfullname string   //Post modifier full name
userpictureurl string   //Post author picture.
usermodifiedpictureurl string   //Post modifier picture.
numreplies int   //The number of replies in the discussion
numunread int   //The number of unread discussions.
pinned int   //Is the discussion pinned
locked int   //Is the discussion locked
canreply int   //Can the user reply to the discussion
canlock int   //Can the user lock the discussion
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [discussions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [groupid] => int
                    [timemodified] => int
                    [usermodified] => int
                    [timestart] => int
                    [timeend] => int
                    [discussion] => int
                    [parent] => int
                    [userid] => int
                    [created] => int
                    [modified] => int
                    [mailed] => int
                    [subject] => string
                    [message] => string
                    [messageformat] => int
                    [messagetrust] => int
                    [messageinlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => string
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [totalscore] => int
                    [mailnow] => int
                    [userfullname] => string
                    [usermodifiedfullname] => string
                    [userpictureurl] => string
                    [usermodifiedpictureurl] => string
                    [numreplies] => int
                    [numunread] => int
                    [pinned] => int
                    [locked] => int
                    [canreply] => int
                    [canlock] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
```

?

```
                )
            )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="discussions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeend">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="discussion">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parent">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="created">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mailed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subject">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="messageformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="messagetrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="messageinlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="attachment">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="attachments">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="totalscore">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mailnow">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="userfullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="usermodifiedfullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="userpictureurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="usermodifiedpictureurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="numreplies">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numunread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pinned">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="locked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canreply">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canlock">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
                <VALUE>int</VALUE>
            </KEY>
```


?

```
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_get_forums_by_courses

Returns a list of forum instances in a provided set of courses, if no courses are provided then all the forum instances the user has access to will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of Course IDs

```
General structure

 Default to "Array
(
)
" //Array of Course IDs
list of (
int   //course ID
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

list of (
  //forum
object {
id int   //Forum id
course int   //Course id
type string   //The forum type
name string   //Forum name
intro string   //The forum intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction text
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)lang string  Optional //Forced activity language
duedate int  Optional //duedate for the user
cutoffdate int  Optional //cutoffdate for the user
assessed int   //Aggregate type
assesstimestart int   //Assess start time
assesstimefinish int   //Assess finish time
scale int   //Scale
grade_forum int   //Whole forum grade
grade_forum_notify int   //Whether to send notifications to students upon grading by default
maxbytes int   //Maximum attachment size
maxattachments int   //Maximum number of attachments
forcesubscribe int   //Force users to subscribe
trackingtype int   //Subscription mode
rsstype int   //RSS feed for this activity
rssarticles int   //Number of RSS recent articles
timemodified int   //Time modified
warnafter int   //Post threshold for warning
blockafter int   //Post threshold for blocking
blockperiod int   //Time period for blocking
completiondiscussions int   //Student must create discussions
completionreplies int   //Student must post replies
completionposts int   //Student must post discussions or replies
cmid int   //Course module id
numdiscussions int  Optional //Number of discussions in the forum
cancreatediscussions int  Optional //If the user can create discussions
lockdiscussionafter int  Optional //After what period a discussion is locked
istracked int  Optional //If the user is tracking the forum
unreadpostscount int  Optional //The number of unread posts for tracked forums
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [course] => int
            [type] => string
            [name] => string
            [intro] => string
            [introformat] => int
            [introfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [lang] => string
            [duedate] => int
            [cutoffdate] => int
            [assessed] => int
            [assesstimestart] => int
            [assesstimefinish] => int
            [scale] => int
            [grade_forum] => int
            [grade_forum_notify] => int
            [maxbytes] => int
            [maxattachments] => int
            [forcesubscribe] => int
            [trackingtype] => int
            [rsstype] => int
            [rssarticles] => int
            [timemodified] => int
            [warnafter] => int
            [blockafter] => int
            [blockperiod] => int
            [completiondiscussions] => int
            [completionreplies] => int
            [completionposts] => int
            [cmid] => int
            [numdiscussions] => int
            [cancreatediscussions] => int
            [lockdiscussionafter] => int
            [istracked] => int
            [unreadpostscount] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="course">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="type">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="intro">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="introformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="introfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cutoffdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assessed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assesstimestart">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="assesstimefinish">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scale">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="grade_forum">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="grade_forum_notify">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="maxbytes">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="maxattachments">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="forcesubscribe">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="trackingtype">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="rsstype">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="rssarticles">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="warnafter">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="blockafter">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="blockperiod">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completiondiscussions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionreplies">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="completionposts">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cmid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="numdiscussions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="cancreatediscussions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lockdiscussionafter">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="istracked">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="unreadpostscount">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_forum_prepare_draft_area_for_post

Prepares a draft area for editing a post.

Arguments

postid (Required)

Post to prepare the draft area for.

```
General structure

int   //Post to prepare the draft area for.
```

```
XML-RPC (PHP structure)

[postid] => int
```

```
REST (POST parameters)

postid= int
```

area (Required)

Area to prepare: attachment or post.

```
General structure

string   //Area to prepare: attachment or post.
```

```
XML-RPC (PHP structure)

[area] => string
```

```
REST (POST parameters)

area= string
```

draftitemid (Default to "0")

The draft item id to use. 0 to generate one.

```
General structure

int  Default to "0" //The draft item id to use. 0 to generate one.
```

```
XML-RPC (PHP structure)

[draftitemid] => int
```

```
REST (POST parameters)

draftitemid= int
```

filestokeep (Default to "Array ( ) ")

Only keep these files in the draft file area. Empty for keeping all.

?

```
General structure

 Default to "Array
(
)
" //Only keep these files in the draft file area. Empty for keeping all.
list of (
object {
filename string   //File name.
filepath string   //File path.
}
)
```

```
XML-RPC (PHP structure)

[filestokeep] =>
    Array
        (
        [0] =>
            Array
                (
                [filename] => string
                [filepath] => string
                )
        )
```

```
REST (POST parameters)

filestokeep[0][filename]= string
filestokeep[0][filepath]= string
```

Response

```
General structure

object {
draftitemid int   //Draft item id for the file area.
files  Optional //Draft area files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)areaoptions   //Draft file area options.
list of (
object {
name string   //Name of option.
value string   //Value of option.
}
)messagetext string   //Message text with URLs rewritten.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [draftitemid] => int
    [files] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [areaoptions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [messagetext] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="draftitemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="files">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="areaoptions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="messagetext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_set_lock_state

Set the lock state for the discussion

Arguments

forumid (Required)

Forum that the discussion is in

```
General structure

int   //Forum that the discussion is in
```

```
XML-RPC (PHP structure)

[forumid] => int
```

```
REST (POST parameters)

forumid= int
```

discussionid (Required)

The discussion to lock / unlock

```
General structure

int   //The discussion to lock / unlock
```

```
XML-RPC (PHP structure)

[discussionid] => int
```

```
REST (POST parameters)

discussionid= int
```

targetstate (Required)

The timestamp for the lock state

```
General structure

int   //The timestamp for the lock state
```

```
XML-RPC (PHP structure)

[targetstate] => int
```

?

```
REST (POST parameters)

targetstate= int
```

Response

```
General structure

object {
id int   //The discussion we are locking.
locked int   //The locked state of the discussion.
times object {
locked int   //The locked time of the discussion.
}
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        [locked] => int
        [times] =>
            Array
                (
                [locked] => int
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="locked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="times">
            <SINGLE>
                <KEY name="locked">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes ?

mod_forum_set_pin_state

Set the pin state

Arguments

discussionid (Required)

The discussion to pin or unpin

```
General structure

int   //The discussion to pin or unpin
```

```
XML-RPC (PHP structure)

[discussionid] => int
```

```
REST (POST parameters)

discussionid= int
```

targetstate (Required)

The target state

```
General structure

int   //The target state
```

```
XML-RPC (PHP structure)

[targetstate] => int
```

```
REST (POST parameters)

targetstate= int
```

Response

?

```
General structure

object {
id int   //id
forumid int   //forumid
pinned int   //pinned
locked int   //locked
istimelocked int   //istimelocked
name string   //name
firstpostid int   //firstpostid
group object {
name string   //name
urls object {
picture string  Optional //picture
userlist string  Optional //userlist
}
}
times object {
modified int   //modified
start int   //start
end int   //end
locked int   //locked
}
userstate object {
subscribed int   //subscribed
favourited int   //favourited
}
capabilities object {
subscribe int   //subscribe
move int   //move
pin int   //pin
post int   //post
manage int   //manage
favourite int   //favourite
}
urls object {
view string   //view
viewlatest string  Optional //viewlatest
viewfirstunread string  Optional //viewfirstunread
markasread string   //markasread
subscribe string   //subscribe
pin string  Optional //pin
}
timed object {
istimed int  Optional //istimed
visible int  Optional //visible
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [forumid] => int
    [pinned] => int
    [locked] => int
    [istimelocked] => int
    [name] => string
    [firstpostid] => int
    [group] =>
        Array
            (
            [name] => string
            [urls] =>
                Array
                    (
                    [picture] => string
                    [userlist] => string
                    )
            )
    [times] =>
        Array
            (
            [modified] => int
            [start] => int
            [end] => int
            [locked] => int
            )
    [userstate] =>
        Array
            (
            [subscribed] => int
            [favourited] => int
            )
    [capabilities] =>
        Array
            (
            [subscribe] => int
            [move] => int
            [pin] => int
            [post] => int
            [manage] => int
            [favourite] => int
            )
    [urls] =>
        Array
            (
            [view] => string
            [viewlatest] => string
            [viewfirstunread] => string
            [markasread] => string
            [subscribe] => string
            [pin] => string
            )
    [timed] =>
        Array
            (
            [istimed] => int
            [visible] => int
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="forumid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pinned">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="locked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="istimelocked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="firstpostid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="group">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="picture">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="userlist">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="times">
            <SINGLE>
                <KEY name="modified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="start">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="end">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="locked">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="userstate">
            <SINGLE>
                <KEY name="subscribed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="favourited">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="capabilities">
            <SINGLE>
                <KEY name="subscribe">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="move">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="post">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="manage">
                    <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="favourite">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="urls">
            <SINGLE>
                <KEY name="view">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewlatest">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewfirstunread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="markasread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="subscribe">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="timed">
            <SINGLE>
                <KEY name="istimed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_forum_set_subscription_state

Set the subscription state

Arguments

forumid (Required)

Forum that the discussion is in

?

General structure

```
int   //Forum that the discussion is in
```

XML-RPC (PHP structure)

```
[forumid] => int
```

REST (POST parameters)

```
forumid= int
```

discussionid (Required)

The discussion to subscribe or unsubscribe

General structure

```
int   //The discussion to subscribe or unsubscribe
```

XML-RPC (PHP structure)

```
[discussionid] => int
```

REST (POST parameters)

```
discussionid= int
```

targetstate (Required)

The target state

General structure

```
int   //The target state
```

XML-RPC (PHP structure)

```
[targetstate] => int
```

REST (POST parameters)

```
targetstate= int
```

Response

?

```
General structure

object {
id int   //id
forumid int   //forumid
pinned int   //pinned
locked int   //locked
istimelocked int   //istimelocked
name string   //name
firstpostid int   //firstpostid
group object {
name string   //name
urls object {
picture string  Optional //picture
userlist string  Optional //userlist
}
}
times object {
modified int   //modified
start int   //start
end int   //end
locked int   //locked
}
userstate object {
subscribed int   //subscribed
favourited int   //favourited
}
capabilities object {
subscribe int   //subscribe
move int   //move
pin int   //pin
post int   //post
manage int   //manage
favourite int   //favourite
}
urls object {
view string   //view
viewlatest string  Optional //viewlatest
viewfirstunread string  Optional //viewfirstunread
markasread string   //markasread
subscribe string   //subscribe
pin string  Optional //pin
}
timed object {
istimed int  Optional //istimed
visible int  Optional //visible
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [forumid] => int
    [pinned] => int
    [locked] => int
    [istimelocked] => int
    [name] => string
    [firstpostid] => int
    [group] =>
        Array
            (
            [name] => string
            [urls] =>
                Array
                    (
                    [picture] => string
                    [userlist] => string
                    )
            )
    [times] =>
        Array
            (
            [modified] => int
            [start] => int
            [end] => int
            [locked] => int
            )
    [userstate] =>
        Array
            (
            [subscribed] => int
            [favourited] => int
            )
    [capabilities] =>
        Array
            (
            [subscribe] => int
            [move] => int
            [pin] => int
            [post] => int
            [manage] => int
            [favourite] => int
            )
    [urls] =>
        Array
            (
            [view] => string
            [viewlatest] => string
            [viewfirstunread] => string
            [markasread] => string
            [subscribe] => string
            [pin] => string
            )
    [timed] =>
        Array
            (
            [istimed] => int
            [visible] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="forumid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pinned">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="locked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="istimelocked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="firstpostid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="group">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="picture">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="userlist">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="times">
            <SINGLE>
                <KEY name="modified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="start">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="end">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="locked">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="userstate">
            <SINGLE>
                <KEY name="subscribed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="favourited">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="capabilities">
            <SINGLE>
                <KEY name="subscribe">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="move">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="post">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="manage">
                    <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="favourite">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="urls">
            <SINGLE>
                <KEY name="view">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewlatest">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewfirstunread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="markasread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="subscribe">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="timed">
            <SINGLE>
                <KEY name="istimed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_forum_toggle_favourite_state

Toggle the favourite state

Arguments

discussionid (Required)

The discussion to subscribe or unsubscribe

?

```
General structure

int   //The discussion to subscribe or unsubscribe
```

```
XML-RPC (PHP structure)

[discussionid] => int
```

```
REST (POST parameters)

discussionid= int
```

targetstate (Required)

The target state

```
General structure

int   //The target state
```

```
XML-RPC (PHP structure)

[targetstate] => int
```

```
REST (POST parameters)

targetstate= int
```

Response

?

```
General structure

object {
id int   //id
forumid int   //forumid
pinned int   //pinned
locked int   //locked
istimelocked int   //istimelocked
name string   //name
firstpostid int   //firstpostid
group object {
name string   //name
urls object {
picture string  Optional //picture
userlist string  Optional //userlist
}
}
times object {
modified int   //modified
start int   //start
end int   //end
locked int   //locked
}
userstate object {
subscribed int   //subscribed
favourited int   //favourited
}
capabilities object {
subscribe int   //subscribe
move int   //move
pin int   //pin
post int   //post
manage int   //manage
favourite int   //favourite
}
urls object {
view string   //view
viewlatest string  Optional //viewlatest
viewfirstunread string  Optional //viewfirstunread
markasread string   //markasread
subscribe string   //subscribe
pin string  Optional //pin
}
timed object {
istimed int  Optional //istimed
visible int  Optional //visible
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [forumid] => int
    [pinned] => int
    [locked] => int
    [istimelocked] => int
    [name] => string
    [firstpostid] => int
    [group] =>
        Array
            (
            [name] => string
            [urls] =>
                Array
                    (
                    [picture] => string
                    [userlist] => string
                    )
            )
    [times] =>
        Array
            (
            [modified] => int
            [start] => int
            [end] => int
            [locked] => int
            )
    [userstate] =>
        Array
            (
            [subscribed] => int
            [favourited] => int
            )
    [capabilities] =>
        Array
            (
            [subscribe] => int
            [move] => int
            [pin] => int
            [post] => int
            [manage] => int
            [favourite] => int
            )
    [urls] =>
        Array
            (
            [view] => string
            [viewlatest] => string
            [viewfirstunread] => string
            [markasread] => string
            [subscribe] => string
            [pin] => string
            )
    [timed] =>
        Array
            (
            [istimed] => int
            [visible] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="forumid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pinned">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="locked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="istimelocked">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="firstpostid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="group">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="urls">
                    <SINGLE>
                        <KEY name="picture">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="userlist">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="times">
            <SINGLE>
                <KEY name="modified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="start">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="end">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="locked">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="userstate">
            <SINGLE>
                <KEY name="subscribed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="favourited">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="capabilities">
            <SINGLE>
                <KEY name="subscribe">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="move">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="post">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="manage">
                    <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="favourite">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="urls">
            <SINGLE>
                <KEY name="view">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewlatest">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="viewfirstunread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="markasread">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="subscribe">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pin">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="timed">
            <SINGLE>
                <KEY name="istimed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_forum_update_discussion_post

Updates a post or a discussion topic post.

Arguments

postid (Required)

Post to be updated. It can be a discussion topic post.

?

```
General structure

int   //Post to be updated. It can be a discussion topic post.
```

```
XML-RPC (PHP structure)

[postid] => int
```

```
REST (POST parameters)

postid= int
```

subject (Default to "")

Updated post subject

```
General structure

string  Default to "" //Updated post subject
```

```
XML-RPC (PHP structure)

[subject] => string
```

```
REST (POST parameters)

subject= string
```

message (Default to "")

Updated post message (HTML assumed if messageformat is not provided)

```
General structure

string  Default to "" //Updated post message (HTML assumed if messageformat is not provided)
```

```
XML-RPC (PHP structure)

[message] => string
```

```
REST (POST parameters)

message= string
```

messageformat (Default to "1")

message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN

```
General structure

int  Default to "1" //message format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
```

```
XML-RPC (PHP structure)

[messageformat] => int
```

```
REST (POST parameters)

messageformat= int
```

options (Default to "Array ( ) ")

Configuration options for the post.

?

```
General structure

 Default to "Array
(
)
" //Configuration options for the post.
list of (
object {
name string   //The allowed keys (value format) are:
                                pinned (bool); (only for discussions) whether to pin this discussion or not
                                discussionsubscribe (bool); whether to subscribe to the post or not
                                inlineattachmentsid (int); the draft file area id for inline attachments in the text
                                attachmentsid (int); the draft file area id for attachments
value string   //The value of the option.
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

```
General structure

object {
status int   //True if the post/discussion was updated, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_view_forum

Trigger the course module viewed event and update the module completion status.

Arguments

forumid (Required)

forum instance id

```
General structure

int   //forum instance id
```

```
XML-RPC (PHP structure)

[forumid] => int
```

?

```
REST (POST parameters)

forumid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_forum_view_forum_discussion

Trigger the forum discussion viewed event.

Arguments

discussionid (Required)

discussion id

```
General structure

int   //discussion id
```

```
XML-RPC (PHP structure)

[discussionid] => int
```

```
REST (POST parameters)

discussionid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_add_entry

Add a new entry to a given glossary

?

Arguments

glossaryid (Required)

Glossary id

```
General structure

int   //Glossary id
```

```
XML-RPC (PHP structure)

[glossaryid] => int
```

```
REST (POST parameters)

glossaryid= int
```

concept (Required)

Glossary concept

```
General structure

string   //Glossary concept
```

```
XML-RPC (PHP structure)

[concept] => string
```

```
REST (POST parameters)

concept= string
```

definition (Required)

Glossary concept definition

```
General structure

string   //Glossary concept definition
```

```
XML-RPC (PHP structure)

[definition] => string
```

```
REST (POST parameters)

definition= string
```

definitionformat (Required)

definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN

```
General structure

int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
```

```
XML-RPC (PHP structure)

[definitionformat] => int
```

```
REST (POST parameters)

definitionformat= int
```

?

options (Default to "Array ( ) ")

Optional settings

```
General structure

 Default to "Array
(
)
" //Optional settings
list of (
object {
name string   //The allowed keys (value format) are:
                              inlineattachmentsid (int); the draft file area id for inline attachments
                              attachmentsid (int); the draft file area id for attachments
                              categories (comma separated int); comma separated category ids
                              aliases (comma separated str); comma separated aliases
                              usedynalink (bool); whether the entry should be automatically linked.
                              casesensitive (bool); whether the entry is case sensitive.
                              fullmatch (bool); whether to match whole words only.
value string   //the value of the option (validated inside the function)
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

```
General structure

object {
entryid int   //New glossary entry ID
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [entryid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entryid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_delete_entry

Delete the given entry from the glossary.

Arguments

entryid (Required)

Glossary entry id to delete

```
General structure

int   //Glossary entry id to delete
```

```
XML-RPC (PHP structure)

[entryid] => int
```

?

```
REST (POST parameters)

entryid= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_authors

Get the authors.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

?

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes self even if all of their entries require approval. When true, also includes authors only having entries
pending approval.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

Response

```
General structure

object {
count int   //The total number of records.
authors list of (
object {
id int   //The user ID
fullname string   //The fullname
pictureurl string   //The picture URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [authors] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [pictureurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="authors">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="pictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_categories

Get the categories.

Arguments

id (Required)

The glossary ID

```
General structure

int   //The glossary ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

?

```
REST (POST parameters)

limit= int
```

Response

```
General structure

object {
count int   //The total number of records.
categories list of (
object {
id int   //The category ID
glossaryid int   //The glossary ID
name string   //The name of the category
usedynalink int   //Whether the category is automatically linked
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [count] => int
        [categories] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [glossaryid] => int
                        [name] => string
                        [usedynalink] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="categories">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="usedynalink">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_author

Browse entries by author.

Arguments

?

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

letter (Required)

First letter of firstname or lastname, or either keywords: 'ALL' or 'SPECIAL'.

```
General structure

string   //First letter of firstname or lastname, or either keywords: 'ALL' or 'SPECIAL'.
```

```
XML-RPC (PHP structure)

[letter] => string
```

```
REST (POST parameters)

letter= string
```

field (Default to "LASTNAME")

Search and order using: 'FIRSTNAME' or 'LASTNAME'

```
General structure

string  Default to "LASTNAME" //Search and order using: 'FIRSTNAME' or 'LASTNAME'
```

```
XML-RPC (PHP structure)

[field] => string
```

```
REST (POST parameters)

field= string
```

sort (Default to "ASC")

The direction of the order: 'ASC' or 'DESC'

```
General structure

string  Default to "ASC" //The direction of the order: 'ASC' or 'DESC'
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

from (Default to "0")

Start returning records from here ?

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ratingarea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="canviewall">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canviewany">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scales">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="courseid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="max">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="isnumeric">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="items">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="value">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="ratings">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="aggregate">
                            <VALUE>double</VALUE>
                        </KEY>
                        <KEY name="aggregatestr">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="aggregatelabel">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="count">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="rating">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canrate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canviewaggregate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_author_id

Browse entries by author ID.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

authorid (Required)

The author ID

```
General structure

int   //The author ID
```

?

```
XML-RPC (PHP structure)

[authorid] => int
```

```
REST (POST parameters)

authorid= int
```

order (Default to "CONCEPT")

Order by: 'CONCEPT', 'CREATION' or 'UPDATE'

```
General structure

string  Default to "CONCEPT" //Order by: 'CONCEPT', 'CREATION' or 'UPDATE'
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

sort (Default to "ASC")

The direction of the order: 'ASC' or 'DESC'

```
General structure

string  Default to "ASC" //The direction of the order: 'ASC' or 'DESC'
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

?

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_category

Browse entries by category.

Arguments

id (Required)

The glossary ID.

```
General structure

int   //The glossary ID.
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

categoryid (Required)

The category ID. Use '0' for all categories, or '-1' for uncategorised entries.

```
General structure

int   //The category ID. Use '0' for all categories, or '-1' for uncategorised entries.
```

?

```
XML-RPC (PHP structure)

[categoryid] => int
```

```
REST (POST parameters)

categoryid= int
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

?

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)categoryid int  Default to "-1" //The category ID. This may be '-1' when the entry is not categorised
categoryname string  Default to "" //The category name. May be empty when the entry is not categorised, or the request was limited to one category.
}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
```

?

```
object {
value int   //Scale value/option id.
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    [categoryid] => int
                    [categoryname] => string
                    )
            )
    [ratinginfo] =>
```

?

```
        Array
            (
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="categoryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="categoryname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
```


?

```
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
```


?

```
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_date

Browse entries by date.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

order (Default to "UPDATE")

Order the records by: 'CREATION' or 'UPDATE'.

?

```
General structure

string  Default to "UPDATE" //Order the records by: 'CREATION' or 'UPDATE'.
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

sort (Default to "DESC")

The direction of the order: 'ASC' or 'DESC'

```
General structure

string  Default to "DESC" //The direction of the order: 'ASC' or 'DESC'
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

?

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_letter

Browse entries by letter.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

letter (Required)

A letter, or either keywords: 'ALL' or 'SPECIAL'.

```
General structure

string   //A letter, or either keywords: 'ALL' or 'SPECIAL'.
```

?

```
XML-RPC (PHP structure)

[letter] => string
```

```
REST (POST parameters)

letter= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

?

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ratingarea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="canviewall">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canviewany">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scales">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="courseid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="max">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="isnumeric">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="items">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="value">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="ratings">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="aggregate">
                            <VALUE>double</VALUE>
                        </KEY>
                        <KEY name="aggregatestr">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="aggregatelabel">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="count">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="rating">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canrate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canviewaggregate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_search

Browse entries by search query.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

query (Required)

The query string

```
General structure

string   //The query string
```

?

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

fullsearch (Default to "1")

The query

```
General structure

int  Default to "1" //The query
```

```
XML-RPC (PHP structure)

[fullsearch] => int
```

```
REST (POST parameters)

fullsearch= int
```

order (Default to "CONCEPT")

Order by: 'CONCEPT', 'CREATION' or 'UPDATE'

```
General structure

string  Default to "CONCEPT" //Order by: 'CONCEPT', 'CREATION' or 'UPDATE'
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

sort (Default to "ASC")

The direction of the order: 'ASC' or 'DESC'

```
General structure

string  Default to "ASC" //The direction of the order: 'ASC' or 'DESC'
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

?

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_by_term

Browse entries by term (concept or alias).

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

term (Required)

The entry concept, or alias

```
General structure

string   //The entry concept, or alias
```

?

```
XML-RPC (PHP structure)

[term] => string
```

```
REST (POST parameters)

term= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
includenotapproved int  Default to "0" //When false, includes the non-approved entries created by the user. When true, also includes the ones that the user has the
permission to approve.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [includenotapproved] => int
        )
```

```
REST (POST parameters)

options[includenotapproved]= int
```

?

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entries_to_approve

Browse entries to be approved.

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

letter (Required)

A letter, or either keywords: 'ALL' or 'SPECIAL'.

```
General structure

string   //A letter, or either keywords: 'ALL' or 'SPECIAL'.
```

?

```
XML-RPC (PHP structure)

[letter] => string
```

```
REST (POST parameters)

letter= string
```

order (Default to "CONCEPT")

Order by: 'CONCEPT', 'CREATION' or 'UPDATE'

```
General structure

string  Default to "CONCEPT" //Order by: 'CONCEPT', 'CREATION' or 'UPDATE'
```

```
XML-RPC (PHP structure)

[order] => string
```

```
REST (POST parameters)

order= string
```

sort (Default to "ASC")

The direction of the order: 'ASC' or 'DESC'

```
General structure

string  Default to "ASC" //The direction of the order: 'ASC' or 'DESC'
```

```
XML-RPC (PHP structure)

[sort] => string
```

```
REST (POST parameters)

sort= string
```

from (Default to "0")

Start returning records from here

```
General structure

int  Default to "0" //Start returning records from here
```

```
XML-RPC (PHP structure)

[from] => int
```

```
REST (POST parameters)

from= int
```

limit (Default to "20")

Number of records to return

```
General structure

int  Default to "20" //Number of records to return
```

?

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

options (Default to "Array ( ) ")

An array of options

```
General structure

 Default to "Array
(
)
" //An array of options
object {
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        )
```

```
REST (POST parameters)
```

Response

?

```
General structure

object {
count int   //The total number of records matching the request.
entries list of (
object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
```

?

```
name string   //Scale name.
}
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [count] => int
    [entries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [glossaryid] => int
                    [userid] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    [concept] => string
                    [definition] => string
                    [definitionformat] => int
                    [definitiontrust] => int
                    [definitioninlinefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
```

?

```
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="entries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="glossaryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userfullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userpictureurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="concept">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definition">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="definitionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitiontrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="definitioninlinefiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="teacherentry">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sourceglossaryid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usedynalink">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="casesensitive">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullmatch">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approved">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="tags">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="rawname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isstandard">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="tagcollid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstanceid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="taginstancecontextid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ordering">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="flag">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ratingarea">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="canviewall">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canviewany">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scales">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="courseid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="max">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="isnumeric">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="items">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="value">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="ratings">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="aggregate">
                            <VALUE>double</VALUE>
                        </KEY>
                        <KEY name="aggregatestr">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="aggregatelabel">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="count">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="rating">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canrate">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="canviewaggregate">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_entry_by_id

Get an entry by ID

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

```
General structure

object {
entry object {
id int   //The entry ID
glossaryid int   //The glossary ID
userid int   //Author ID
userfullname string   //Author full name
userpictureurl string   //Author picture
concept string   //The concept
definition string   //The definition
definitionformat int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
definitiontrust int   //The definition trust flag
definitioninlinefiles  Optional //entry definition inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)timecreated int   //Time created
timemodified int   //Time modified
teacherentry int   //The entry was created by a teacher, or equivalent.
sourceglossaryid int   //The source glossary ID
usedynalink int   //Whether the concept should be automatically linked
casesensitive int   //When true, the matching is case sensitive
fullmatch int   //When true, the matching is done on full words only
approved int   //Whether the entry was approved
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
ratinginfo  Optional //Rating information
object {
contextid int   //Context id.
component string   //Context name.
ratingarea string   //Rating area name.
canviewall int  Optional //Whether the user can view all the individual ratings.
canviewany int  Optional //Whether the user can view aggregate of ratings of others.
scales  Optional //Different scales used information
list of (
  //Scale information
object {
id int   //Scale id.
courseid int  Optional //Course id.
name string  Optional //Scale name (when a real scale is used).
max int   //Max value for the scale.
isnumeric int   //Whether is a numeric scale.
items  Optional //Scale items. Only returned for not numerical scales.
list of (
object {
value int   //Scale value/option id.
name string   //Scale name.
}
```

?

```
)}
)ratings  Optional //The ratings
list of (
object {
itemid int   //Item id.
scaleid int  Optional //Scale id.
userid int  Optional //User who rated id.
aggregate double  Optional //Aggregated ratings grade.
aggregatestr string  Optional //Aggregated ratings as string.
aggregatelabel string  Optional //The aggregation label.
count int  Optional //Ratings count (used when aggregating).
rating int  Optional //The rating the user gave.
canrate int  Optional //Whether the user can rate the item.
canviewaggregate int  Optional //Whether the user can view the aggregated grade.
}
)}
permissions  Optional //User permissions for the managing the entry.
object {
candelete int   //Whether the user can delete the entry.
canupdate int   //Whether the user can update the entry.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [entry] =>
        Array
            (
            [id] => int
            [glossaryid] => int
            [userid] => int
            [userfullname] => string
            [userpictureurl] => string
            [concept] => string
            [definition] => string
            [definitionformat] => int
            [definitiontrust] => int
            [definitioninlinefiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [attachment] => int
            [attachments] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [timecreated] => int
            [timemodified] => int
            [teacherentry] => int
            [sourceglossaryid] => int
            [usedynalink] => int
            [casesensitive] => int
            [fullmatch] => int
            [approved] => int
            [tags] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [rawname] => string
                            [isstandard] => int
                            [tagcollid] => int
                            [taginstanceid] => int
                            [taginstancecontextid] => int
                            [itemid] => int
                            [ordering] => int
                            [flag] => int
                            )
                    )
            )
    [ratinginfo] =>
        Array
            (
            [contextid] => int
            [component] => string
            [ratingarea] => string
            [canviewall] => int
            [canviewany] => int
```

?

```
            [scales] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [max] => int
                            [isnumeric] => int
                            [items] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [value] => int
                                            [name] => string
                                            )
                                    )
                            )
                    )
            [ratings] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [itemid] => int
                            [scaleid] => int
                            [userid] => int
                            [aggregate] => double
                            [aggregatestr] => string
                            [aggregatelabel] => string
                            [count] => int
                            [rating] => int
                            [canrate] => int
                            [canviewaggregate] => int
                            )
                    )
            )
        [permissions] =>
            Array
                (
                [candelete] => int
                [canupdate] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="entry">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="glossaryid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userfullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="userpictureurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="concept">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="definition">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="definitionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="definitiontrust">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="definitioninlinefiles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="attachment">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attachments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
```


?

```
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="teacherentry">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sourceglossaryid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usedynalink">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="casesensitive">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullmatch">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="approved">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="tags">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="rawname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isstandard">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tagcollid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="taginstanceid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="taginstancecontextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ordering">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flag">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="ratinginfo">
    <SINGLE>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ratingarea">
            <VALUE>string</VALUE>
        </KEY>
```


?

```
        <KEY name="canviewall">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewany">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scales">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isnumeric">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="items">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="value">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="ratings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="aggregate">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="aggregatestr">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aggregatelabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="count">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rating">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canviewaggregate">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="permissions">
    <SINGLE>
        <KEY name="candelete">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canupdate">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_get_glossaries_by_courses

Retrieve a list of glossaries from several courses.

Arguments

courseids (Default to "Array ( ) ")

Array of course IDs

```
General structure

 Default to "Array
(
)
" //Array of course IDs
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

?

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
glossaries list of (
  //Glossaries
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
allowduplicatedentries int   //If enabled, multiple entries can have the same concept name
displayformat string   //Display format type
mainglossary int   //If enabled this glossary is a main glossary.
showspecial int   //If enabled, participants can browse the glossary by special characters, such as @ and #
showalphabet int   //If enabled, participants can browse the glossary by letters of the alphabet
showall int   //If enabled, participants can browse all entries at once
allowcomments int   //If enabled, all participants with permission to create comments will be able to add comments to glossary entries
allowprintview int   //If enabled, students are provided with a link to a printer-friendly version of the glossary. The link is always available to teachers
usedynalink int   //If site-wide glossary auto-linking has been enabled by an administrator and this checkbox is ticked, the entry will be automatically linked wherever
the concept words and phrases appear throughout the rest of the course.
defaultapproval int   //If set to no, entries require approving by a teacher before they are viewable by everyone.
approvaldisplayformat string   //When approving glossary items you may wish to use a different display format
globalglossary int entbypage int   //Entries shown per page
editalways int   //Always allow editing
rsstype int   //To enable the RSS feed for this activity, select either concepts with author or concepts without author to be included in the feed
rssarticles int   //This setting specifies the number of glossary entry concepts to include in the RSS feed. Between 5 and 20 generally acceptable
assessed int   //Aggregate type
assesstimestart int   //Restrict rating to items created after this
assesstimefinish int   //Restrict rating to items created before this
scale int   //Scale ID
timecreated int   //Time created
timemodified int   //Time modified
completionentries int   //Number of entries to complete
browsemodes list of (
string   //Modes of browsing allowed
)canaddentry int  Optional //Whether the user can add a new entry
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [glossaries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [allowduplicatedentries] => int
                    [displayformat] => string
                    [mainglossary] => int
                    [showspecial] => int
                    [showalphabet] => int
                    [showall] => int
                    [allowcomments] => int
                    [allowprintview] => int
                    [usedynalink] => int
                    [defaultapproval] => int
                    [approvaldisplayformat] => string
                    [globalglossary] => int
                    [entbypage] => int
                    [editalways] => int
                    [rsstype] => int
                    [rssarticles] => int
                    [assessed] => int
                    [assesstimestart] => int
                    [assesstimefinish] => int
                    [scale] => int
                    [timecreated] => int
                    [timemodified] => int
                    [completionentries] => int
                    [browsemodes] =>
                        Array
                            (
                            [0] => string
                            )
                    [canaddentry] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="glossaries">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="allowduplicatedentries">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="displayformat">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mainglossary">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showspecial">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showalphabet">
                        <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="showall">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="allowcomments">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="allowprintview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usedynalink">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="defaultapproval">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="approvaldisplayformat">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="globalglossary">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="entbypage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="editalways">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rsstype">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rssarticles">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="assessed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="assesstimestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="assesstimefinish">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scale">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionentries">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="browsemodes">
                    <MULTIPLE>
                        <VALUE>string</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="canaddentry">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
</SINGLE>
```


?

```
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_prepare_entry_for_edition

Prepares the given entry for edition returning draft item areas and file areas information.

Arguments

entryid (Required)

Glossary entry id to update

```
General structure

int   //Glossary entry id to update
```

```
XML-RPC (PHP structure)

[entryid] => int
```

```
REST (POST parameters)

entryid= int
```

Response

?

General structure

```
object {
inlineattachmentsid int   //Draft item id for the text editor.
attachmentsid int   //Draft item id for the file manager.
areas   //File areas including options
list of (
object {
area string   //File area name.
options   //Draft file area options.
list of (
object {
name string   //Name of option.
value string   //Value of option.
}
)}
)aliases list of (
string   //Alias name.
)categories list of (
int   //Category id
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [inlineattachmentsid] => int
        [attachmentsid] => int
        [areas] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [area] => string
                        [options] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [name] => string
                                        [value] => string
                                        )
                                )
                        )
                )
        [aliases] =>
            Array
                (
                [0] => string
                )
        [categories] =>
            Array
                (
                [0] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="inlineattachmentsid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="attachmentsid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="areas">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="area">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="options">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="aliases">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="categories">
            <MULTIPLE>
                <VALUE>int</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

?

Yes

Callable from AJAX

No

mod_glossary_update_entry

Updates the given glossary entry.

Arguments

entryid (Required)

Glossary entry id to update

```
General structure

int   //Glossary entry id to update
```

```
XML-RPC (PHP structure)

[entryid] => int
```

```
REST (POST parameters)

entryid= int
```

concept (Required)

Glossary concept

```
General structure

string   //Glossary concept
```

```
XML-RPC (PHP structure)

[concept] => string
```

```
REST (POST parameters)

concept= string
```

definition (Required)

Glossary concept definition

```
General structure

string   //Glossary concept definition
```

```
XML-RPC (PHP structure)

[definition] => string
```

```
REST (POST parameters)

definition= string
```

definitionformat (Required)

definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN

?

```
General structure

int   //definition format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
```

```
XML-RPC (PHP structure)

[definitionformat] => int
```

```
REST (POST parameters)

definitionformat= int
```

options (Default to "Array ( ) ")

Optional settings

```
General structure

 Default to "Array
(
)
" //Optional settings
list of (
object {
name string   //The allowed keys (value format) are:
                            inlineattachmentsid (int); the draft file area id for inline attachments
                            attachmentsid (int); the draft file area id for attachments
                            categories (comma separated int); comma separated category ids
                            aliases (comma separated str); comma separated aliases
                            usedynalink (bool); whether the entry should be automatically linked.
                            casesensitive (bool); whether the entry is case sensitive.
                            fullmatch (bool); whether to match whole words only.
value string   //the value of the option (validated inside the function)
}
)
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

options[0][name]= string
options[0][value]= string
```

Response

```
General structure

object {
result int   //The update result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_view_entry

Notify a glossary entry as being viewed.

?

Arguments

id (Required)

Glossary entry ID

```
General structure

int   //Glossary entry ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
status int   //True on success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_glossary_view_glossary

Notify the glossary as being viewed.

Arguments

id (Required)

Glossary instance ID

```
General structure

int   //Glossary instance ID
```

```
XML-RPC (PHP structure)

[id] => int
```

?

```
REST (POST parameters)

id= int
```

mode (Required)

The mode in which the glossary is viewed

```
General structure

string   //The mode in which the glossary is viewed
```

```
XML-RPC (PHP structure)

[mode] => string
```

```
REST (POST parameters)

mode= string
```

Response

```
General structure

object {
status int   //True on success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_get_attempts

Return the information needed to list a user attempts.

Arguments

h5pactivityid (Required)

h5p activity instance id

```
General structure

int   //h5p activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

?

```
REST (POST parameters)

h5pactivityid= int
```

userids (Default to "Array ( ) ")

User ids

```
General structure

 Default to "Array
(
)
" //User ids
list of (
int  Default to "null" //The user ids to get attempts (null means only current user)
)
```

```
XML-RPC (PHP structure)

[userids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

userids[0]= int
```

Response

Activity attempts data

?

```
General structure

  //Activity attempts data
object {
activityid int   //Activity course module ID
usersattempts   //The complete users attempts list
list of (
object {
userid int   //The user id
attempts   //The complete attempts list
list of (
object {
id int   //ID of the context
h5pactivityid int   //ID of the H5P activity
userid int   //ID of the user
timecreated int   //Attempt creation
timemodified int   //Attempt modified
attempt int   //Attempt number
rawscore int   //Attempt score value
maxscore int   //Attempt max score
duration int   //Attempt duration in seconds
completion int  Optional //Attempt completion
success int  Optional //Attempt success
scaled double   //Attempt scaled
}
)scored  Optional //Attempts used to grade the activity
object {
title string   //Scored attempts title
grademethod string   //Scored attempts title
attempts   //List of the grading attempts
list of (
object {
id int   //ID of the context
h5pactivityid int   //ID of the H5P activity
userid int   //ID of the user
timecreated int   //Attempt creation
timemodified int   //Attempt modified
attempt int   //Attempt number
rawscore int   //Attempt score value
maxscore int   //Attempt max score
duration int   //Attempt duration in seconds
completion int  Optional //Attempt completion
success int  Optional //Attempt success
scaled double   //Attempt scaled
}
)}
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [activityid] => int
    [usersattempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [userid] => int
                    [attempts] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [h5pactivityid] => int
                                    [userid] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [attempt] => int
                                    [rawscore] => int
                                    [maxscore] => int
                                    [duration] => int
                                    [completion] => int
                                    [success] => int
                                    [scaled] => double
                                    )
                            )
                    [scored] =>
                        Array
                            (
                            [title] => string
                            [grademethod] => string
                            [attempts] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [h5pactivityid] => int
                                            [userid] => int
                                            [timecreated] => int
                                            [timemodified] => int
                                            [attempt] => int
                                            [rawscore] => int
                                            [maxscore] => int
                                            [duration] => int
                                            [completion] => int
                                            [success] => int
                                            [scaled] => double
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="activityid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usersattempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attempts">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="h5pactivityid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="attempt">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="rawscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="maxscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="duration">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="completion">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="success">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="scaled">
                                    <VALUE>double</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="scored">
                        <SINGLE>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="grademethod">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="attempts">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="h5pactivityid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="userid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timecreated">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="attempt">
                                            <VALUE>int</VALUE>
                                        </KEY>
```


?

```
                                    <KEY name="rawscore">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="maxscore">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="duration">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="completion">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="success">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="scaled">
                                        <VALUE>double</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_get_h5pactivities_by_courses

Returns a list of h5p activities in a list of provided courses, if no list is provided all h5p activities that the user can view will be returned.

Arguments

?

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
h5pactivities list of (
object {
id int   //The primary key of the record.
course int   //Course id this h5p activity is part of.
name string   //The name of the activity module instance.
timecreated int  Optional //Timestamp of when the instance was added to the course.
timemodified int  Optional //Timestamp of when the instance was last modified.
intro string   //H5P activity description.
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
grade int  Optional //The maximum grade for submission.
displayoptions int   //H5P Button display options.
enabletracking int   //Enable xAPI tracking.
grademethod int   //Which H5P attempt is used for grading.
contenthash string  Optional //Sha1 hash of file content.
coursemodule int   //coursemodule
context int   //context
introfiles   //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)package   //package
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)deployedfile object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
}
}
)h5pglobalsettings  Optional //H5P global settings
object {
enablesavestate int   //Whether saving state is enabled.
savestatefreq int  Optional //How often (in seconds) state is saved.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [h5pactivities] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [name] => string
                    [timecreated] => int
                    [timemodified] => int
                    [intro] => string
                    [introformat] => int
                    [grade] => int
                    [displayoptions] => int
                    [enabletracking] => int
                    [grademethod] => int
                    [contenthash] => string
                    [coursemodule] => int
                    [context] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [package] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [deployedfile] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            )
                    )
            )
    [h5pglobalsettings] =>
        Array
            (
            [enablesavestate] => int
            [savestatefreq] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
```

?

```
                )
            )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="h5pactivities">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="displayoptions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="enabletracking">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grademethod">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contenthash">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="context">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="package">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="deployedfile">
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="h5pglobalsettings">
        <SINGLE>
            <KEY name="enablesavestate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="savestatefreq">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_get_h5pactivity_access_information

Return access information for a given h5p activity.

Arguments

h5pactivityid (Required)

h5p activity instance id

```
General structure

int   //h5p activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

```
REST (POST parameters)

h5pactivityid= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)canview int  Optional //Whether the user has the capability mod/h5pactivity:view allowed.
canaddinstance int  Optional //Whether the user has the capability mod/h5pactivity:addinstance allowed.
cansubmit int  Optional //Whether the user has the capability mod/h5pactivity:submit allowed.
canreviewattempts int  Optional //Whether the user has the capability mod/h5pactivity:reviewattempts allowed.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    [canview] => int
    [canaddinstance] => int
    [cansubmit] => int
    [canreviewattempts] => int
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canaddinstance">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cansubmit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreviewattempts">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes ?

Callable from AJAX

No

mod_h5pactivity_get_results

Return the information needed to list a user attempt results.

Arguments

h5pactivityid (Required)

h5p activity instance id

```
General structure

int   //h5p activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

```
REST (POST parameters)

h5pactivityid= int
```

attemptids (Default to "Array ( ) ")

Attempt ids

```
General structure

 Default to "Array
(
)
" //Attempt ids
list of (
int   //The attempt id
)
```

```
XML-RPC (PHP structure)

[attemptids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

attemptids[0]= int
```

Response

Activity attempts results data

?

```
General structure

  //Activity attempts results data
object {
activityid int   //Activity course module ID
attempts   //The complete attempts list
list of (
  //The attempt general information
object {
id int   //ID of the context
h5pactivityid int   //ID of the H5P activity
userid int   //ID of the user
timecreated int   //Attempt creation
timemodified int   //Attempt modified
attempt int   //Attempt number
rawscore int   //Attempt score value
maxscore int   //Attempt max score
duration int   //Attempt duration in seconds
completion int  Optional //Attempt completion
success int  Optional //Attempt success
scaled double   //Attempt scaled
results  Optional //The results of the attempt
list of (
  //A single result statement tracking information
object {
id int   //ID of the context
attemptid int   //ID of the H5P attempt
subcontent string   //Subcontent identifier
timecreated int   //Result creation
interactiontype string   //Interaction type
description string   //Result description
content string  Optional //Result extra content
rawscore int   //Result score value
maxscore int   //Result max score
duration int  Optional //Result duration in seconds
completion int  Optional //Result completion
success int  Optional //Result success
optionslabel string  Optional //Label used for result options
correctlabel string  Optional //Label used for correct answers
answerlabel string  Optional //Label used for user answers
track int  Optional //If the result has valid track information
options  Optional //The statement options
list of (
object {
description string  Optional //Option description
id string  Optional //Option string identifier
correctanswer  Optional //The option correct answer
object {
answer string  Optional //Option text value
correct int  Optional //If has to be displayed as correct
incorrect int  Optional //If has to be displayed as incorrect
text int  Optional //If has to be displayed as simple text
checked int  Optional //If has to be displayed as a checked option
unchecked int  Optional //If has to be displayed as a unchecked option
pass int  Optional //If has to be displayed as passed
fail int  Optional //If has to be displayed as failed
}
useranswer  Optional //The option user answer
object {
answer string  Optional //Option text value
correct int  Optional //If has to be displayed as correct
incorrect int  Optional //If has to be displayed as incorrect
text int  Optional //If has to be displayed as simple text
checked int  Optional //If has to be displayed as a checked option
unchecked int  Optional //If has to be displayed as a unchecked option
pass int  Optional //If has to be displayed as passed
fail int  Optional //If has to be displayed as failed
}
}
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [activityid] => int
    [attempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [h5pactivityid] => int
                    [userid] => int
                    [timecreated] => int
                    [timemodified] => int
                    [attempt] => int
                    [rawscore] => int
                    [maxscore] => int
                    [duration] => int
                    [completion] => int
                    [success] => int
                    [scaled] => double
                    [results] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [attemptid] => int
                                    [subcontent] => string
                                    [timecreated] => int
                                    [interactiontype] => string
                                    [description] => string
                                    [content] => string
                                    [rawscore] => int
                                    [maxscore] => int
                                    [duration] => int
                                    [completion] => int
                                    [success] => int
                                    [optionslabel] => string
                                    [correctlabel] => string
                                    [answerlabel] => string
                                    [track] => int
                                    [options] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [description] => string
                                                    [id] => string
                                                    [correctanswer] =>
                                                        Array
                                                            (
                                                            [answer] => string
                                                            [correct] => int
                                                            [incorrect] => int
                                                            [text] => int
                                                            [checked] => int
                                                            [unchecked] => int
                                                            [pass] => int
                                                            [fail] => int
                                                            )
                                                    [useranswer] =>
                                                        Array
                                                            (
                                                            [answer] => string
                                                            [correct] => int
                                                            [incorrect] => int
                                                            [text] => int
                                                            [checked] => int
                                                            [unchecked] => int
                                                            [pass] => int
                                                            [fail] => int
                                                            )
                                                    )
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
```

?

```
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="activityid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="attempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="h5pactivityid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attempt">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rawscore">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxscore">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="duration">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completion">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="success">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaled">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="results">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="attemptid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="subcontent">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="interactiontype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="description">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="content">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="rawscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="maxscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="duration">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="completion">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="success">
                                    <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="optionslabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="correctlabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="answerlabel">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="track">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="options">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="description">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="id">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="correctanswer">
                                    <SINGLE>
                                        <KEY name="answer">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="correct">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="incorrect">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="text">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="checked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="unchecked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="pass">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fail">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="useranswer">
                                    <SINGLE>
                                        <KEY name="answer">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="correct">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="incorrect">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="text">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="checked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="unchecked">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="pass">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fail">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
```


?

```
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_get_user_attempts

Return the information needed to list all enrolled user attempts.

Arguments

h5pactivityid (Required)

h5p activity instance id

```
General structure

int   //h5p activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

```
REST (POST parameters)

h5pactivityid= int
```

sortorder (Default to "id ASC")

sort by either user id, firstname or lastname (with optional asc/desc)

?

```
General structure

string  Default to "id ASC" //sort by either user id, firstname or lastname (with optional asc/desc)
```

```
XML-RPC (PHP structure)

[sortorder] => string
```

```
REST (POST parameters)

sortorder= string
```

page (Default to "-1")

current page

```
General structure

int  Default to "-1" //current page
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

items per page

```
General structure

int  Default to "0" //items per page
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

firstinitial (Default to "")

Users whose first name starts with $firstinitial

```
General structure

string  Default to "" //Users whose first name starts with $firstinitial
```

```
XML-RPC (PHP structure)

[firstinitial] => string
```

```
REST (POST parameters)

firstinitial= string
```

lastinitial (Default to "")

Users whose last name starts with $lastinitial

?

```
General structure

string  Default to "" //Users whose last name starts with $lastinitial
```

```
XML-RPC (PHP structure)

[lastinitial] => string
```

```
REST (POST parameters)

lastinitial= string
```

Response

Activity attempts data

```
General structure

  //Activity attempts data
object {
activityid int   //Activity course module ID
usersattempts   //The complete users attempts list
list of (
object {
userid int   //The user id
attempts   //The complete attempts list
list of (
object {
id int   //ID of the context
h5pactivityid int   //ID of the H5P activity
userid int   //ID of the user
timecreated int   //Attempt creation
timemodified int   //Attempt modified
attempt int   //Attempt number
rawscore int   //Attempt score value
maxscore int   //Attempt max score
duration int   //Attempt duration in seconds
completion int  Optional //Attempt completion
success int  Optional //Attempt success
scaled double   //Attempt scaled
}
)scored  Optional //Attempts used to grade the activity
object {
title string   //Scored attempts title
grademethod string   //Grading method
attempts   //List of the grading attempts
list of (
object {
id int   //ID of the context
h5pactivityid int   //ID of the H5P activity
userid int   //ID of the user
timecreated int   //Attempt creation
timemodified int   //Attempt modified
attempt int   //Attempt number
rawscore int   //Attempt score value
maxscore int   //Attempt max score
duration int   //Attempt duration in seconds
completion int  Optional //Attempt completion
success int  Optional //Attempt success
scaled double   //Attempt scaled
}
)}
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [activityid] => int
    [usersattempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [userid] => int
                    [attempts] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [h5pactivityid] => int
                                    [userid] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [attempt] => int
                                    [rawscore] => int
                                    [maxscore] => int
                                    [duration] => int
                                    [completion] => int
                                    [success] => int
                                    [scaled] => double
                                    )
                            )
                    [scored] =>
                        Array
                            (
                            [title] => string
                            [grademethod] => string
                            [attempts] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [h5pactivityid] => int
                                            [userid] => int
                                            [timecreated] => int
                                            [timemodified] => int
                                            [attempt] => int
                                            [rawscore] => int
                                            [maxscore] => int
                                            [duration] => int
                                            [completion] => int
                                            [success] => int
                                            [scaled] => double
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="activityid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usersattempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attempts">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="h5pactivityid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="attempt">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="rawscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="maxscore">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="duration">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="completion">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="success">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="scaled">
                                    <VALUE>double</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="scored">
                        <SINGLE>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="grademethod">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="attempts">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="id">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="h5pactivityid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="userid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timecreated">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="attempt">
                                            <VALUE>int</VALUE>
                                        </KEY>
```


?

```
                                    <KEY name="rawscore">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="maxscore">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="duration">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="completion">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="success">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="scaled">
                                        <VALUE>double</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_log_report_viewed

Log that the h5pactivity was viewed.

Arguments

?

h5pactivityid (Required)

h5p activity instance id

```
General structure

int   //h5p activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

```
REST (POST parameters)

h5pactivityid= int
```

userid (Default to "null")

The user id to log attempt (null means only current user)

```
General structure

int  Default to "null" //The user id to log attempt (null means only current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

attemptid (Default to "null")

The attempt id

```
General structure

int  Default to "null" //The attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_h5pactivity_view_h5pactivity

Trigger the course module viewed event and update the module completion status.

?

Arguments

h5pactivityid (Required)

H5P activity instance id

```
General structure

int   //H5P activity instance id
```

```
XML-RPC (PHP structure)

[h5pactivityid] => int
```

```
REST (POST parameters)

h5pactivityid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_imscp_get_imscps_by_courses

Returns a list of IMSCP instances in a provided set of courses, if no courses are provided then all the IMSCP instances the user has access to will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

?

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
imscps list of (
  //IMS content packages
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //Activity introduction
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
revision int  Optional //Revision
keepold int  Optional //Number of old IMSCP to keep
structure string  Optional //IMSCP structure
timemodified string  Optional //Time of last modification
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [imscps] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [revision] => int
                    [keepold] => int
                    [structure] => string
                    [timemodified] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="imscps">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="revision">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="keepold">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="structure">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
```


?

```
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_imscp_view_imscp

Simulate the view.php web interface imscp: trigger events, completion, etc...

Arguments

imscpid (Required)

imscp instance id

```
General structure

int   //imscp instance id
```

```
XML-RPC (PHP structure)

[imscpid] => int
```

```
REST (POST parameters)

imscpid= int
```

Response ?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_label_get_labels_by_courses

Returns a list of labels in a provided list of courses, if no list is provided all labels that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
labels list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
timemodified int   //Last time the label was modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [labels] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="labels">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_finish_attempt

Finishes the current attempt.

Arguments

lessonid (Required)

Lesson instance id.

```
General structure

int   //Lesson instance id.
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

password (Default to "")

Optional password (the lesson may be protected).

```
General structure

string  Default to "" //Optional password (the lesson may be protected).
```

```
XML-RPC (PHP structure)

[password] => string
```

?

```
REST (POST parameters)

password= string
```

outoftime (Default to "")

If the user run out of time.

```
General structure

int  Default to "" //If the user run out of time.
```

```
XML-RPC (PHP structure)

[outoftime] => int
```

```
REST (POST parameters)

outoftime= int
```

review (Default to "")

If we want to review just after finishing (1 hour margin).

```
General structure

int  Default to "" //If we want to review just after finishing (1 hour margin).
```

```
XML-RPC (PHP structure)

[review] => int
```

```
REST (POST parameters)

review= int
```

Response

```
General structure

object {
data   //The EOL page information data.
list of (
object {
name string   //Data name.
value string   //Data value.
message string   //Data message (translated string).
}
)messages list of (
  //The lesson generated messages
object {
message string   //Message.
type string   //Message type: usually a CSS identifier like:
                                success, info, warning, error, notifyproblem, notifyerror, notifytiny, notifysuccess
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [data] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    [message] => string
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [message] => string
                    [type] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_attempts_overview

?

Get a list of all the attempts made by users in a lesson.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //Lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

groupid (Default to "0")

group id, 0 means that the function will determine the user group

```
General structure

int  Default to "0" //group id, 0 means that the function will determine the user group
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

?

```
General structure

object {
data  Optional //Attempts overview data (empty for no attemps).
object {
lessonscored int   //True if the lesson was scored.
numofattempts int   //Number of attempts.
avescore double   //Average score.
highscore double   //High score.
lowscore double   //Low score.
avetime int   //Average time (spent in taking the lesson).
hightime int   //High time.
lowtime int   //Low time.
students  Optional //Students data, including attempts.
list of (
object {
id int   //User id.
fullname string   //User full name.
bestgrade double   //Best grade.
attempts list of (
object {
try int   //Attempt number.
grade double   //Attempt grade.
timestart int   //Attempt time started.
timeend int   //Attempt last time continued.
end int   //Attempt time ended.
}
)}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [data] =>
        Array
            (
            [lessonscored] => int
            [numofattempts] => int
            [avescore] => double
            [highscore] => double
            [lowscore] => double
            [avetime] => int
            [hightime] => int
            [lowtime] => int
            [students] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [bestgrade] => double
                            [attempts] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [try] => int
                                            [grade] => double
                                            [timestart] => int
                                            [timeend] => int
                                            [end] => int
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <SINGLE>
                <KEY name="lessonscored">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="numofattempts">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="avescore">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="highscore">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="lowscore">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="avetime">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="hightime">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lowtime">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="students">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="bestgrade">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="attempts">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="try">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="grade">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="timestart">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="timeend">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="end">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
```


?

```
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_content_pages_viewed

Return the list of content pages viewed by a user during a lesson attempt.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

lessonattempt (Required)

lesson attempt number

```
General structure

int   //lesson attempt number
```

```
XML-RPC (PHP structure)

[lessonattempt] => int
```

```
REST (POST parameters)

lessonattempt= int
```

?

userid (Default to "null")

the user id (empty for current user)

```
General structure

int  Default to "null" //the user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
pages list of (
  //The content pages viewed.
object {
id int   //The attempt id.
lessonid int   //The lesson id.
pageid int   //The page id.
userid int   //The user who viewed the page.
retry int   //The lesson attempt number.
flag int   //1 if the next page was calculated randomly.
timeseen int   //The time the page was seen.
nextpageid int   //The next page chosen id.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [pages] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [lessonid] => int
                        [pageid] => int
                        [userid] => int
                        [retry] => int
                        [flag] => int
                        [timeseen] => int
                        [nextpageid] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lessonid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pageid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="retry">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flag">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeseen">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nextpageid">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_lesson_get_lesson

Return information of a given lesson.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

password (Default to "")

lesson password

```
General structure

string  Default to "" //lesson password
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

Response

?

```
General structure

object {
lesson object {
id int   //Standard Moodle primary key.
course int   //Foreign key reference to the course this lesson is part of.
coursemodule int   //Course module id.
name string   //Lesson name.
intro string  Optional //Lesson introduction text.
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lang string   //Forced activity language
practice int  Optional //Practice lesson?
modattempts int  Optional //Allow student review?
usepassword int  Optional //Password protected lesson?
password string  Optional //Password
dependency int  Optional //Dependent on (another lesson id)
conditions string  Optional //Conditions to enable the lesson
grade int  Optional //The total that the grade is scaled to be out of
custom int  Optional //Custom scoring?
ongoing int  Optional //Display ongoing score?
usemaxgrade int  Optional //How to calculate the final grade
maxanswers int  Optional //Maximum answers per page
maxattempts int  Optional //Maximum attempts
review int  Optional //Provide option to try a question again
nextpagedefault int  Optional //Action for a correct answer
feedback int  Optional //Display default feedback
minquestions int  Optional //Minimum number of questions
maxpages int  Optional //Number of pages to show
timelimit int  Optional //Time limit
retake int  Optional //Re-takes allowed
activitylink int  Optional //Id of the next activity to be linked once the lesson is completed
mediafile string  Optional //Local file path or full external URL
mediaheight int  Optional //Popup for media file height
mediawidth int  Optional //Popup for media with
mediaclose int  Optional //Display a close button in the popup?
slideshow int  Optional //Display lesson as slideshow
width int  Optional //Slideshow width
height int  Optional //Slideshow height
bgcolor string  Optional //Slideshow bgcolor
displayleft int  Optional //Display left pages menu?
displayleftif int  Optional //Minimum grade to display menu
progressbar int  Optional //Display progress bar?
available int  Optional //Available from
deadline int  Optional //Available until
timemodified int  Optional //Last time settings were updated
completionendreached int  Optional //Require end reached for completion?
completiontimespent int  Optional //Student must do this activity at least for
allowofflineattempts int   //Whether to allow the lesson to be attempted offline in the mobile app
introfiles  Optional //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)mediafiles  Optional //mediafiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
warnings  Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [lesson] =>
        Array
            (
            [id] => int
            [course] => int
            [coursemodule] => int
            [name] => string
            [intro] => string
            [introformat] => int
            [lang] => string
            [practice] => int
            [modattempts] => int
            [usepassword] => int
            [password] => string
            [dependency] => int
            [conditions] => string
            [grade] => int
            [custom] => int
            [ongoing] => int
            [usemaxgrade] => int
            [maxanswers] => int
            [maxattempts] => int
            [review] => int
            [nextpagedefault] => int
            [feedback] => int
            [minquestions] => int
            [maxpages] => int
            [timelimit] => int
            [retake] => int
            [activitylink] => int
            [mediafile] => string
            [mediaheight] => int
            [mediawidth] => int
            [mediaclose] => int
            [slideshow] => int
            [width] => int
            [height] => int
            [bgcolor] => string
            [displayleft] => int
            [displayleftif] => int
            [progressbar] => int
            [available] => int
            [deadline] => int
            [timemodified] => int
            [completionendreached] => int
            [completiontimespent] => int
            [allowofflineattempts] => int
            [introfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [mediafiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            )
```

?

```
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="lesson">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="course">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="coursemodule">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="intro">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="introformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lang">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="practice">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="modattempts">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usepassword">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="password">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="dependency">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="conditions">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="custom">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="ongoing">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usemaxgrade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="maxanswers">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="maxattempts">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="review">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="nextpagedefault">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedback">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="minquestions">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="maxpages">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timelimit">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="retake">
                    <VALUE>int</VALUE>
                </KEY>
```


?

```
<KEY name="activitylink">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediafile">
    <VALUE>string</VALUE>
</KEY>
<KEY name="mediaheight">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediawidth">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediaclose">
    <VALUE>int</VALUE>
</KEY>
<KEY name="slideshow">
    <VALUE>int</VALUE>
</KEY>
<KEY name="width">
    <VALUE>int</VALUE>
</KEY>
<KEY name="height">
    <VALUE>int</VALUE>
</KEY>
<KEY name="bgcolor">
    <VALUE>string</VALUE>
</KEY>
<KEY name="displayleft">
    <VALUE>int</VALUE>
</KEY>
<KEY name="displayleftif">
    <VALUE>int</VALUE>
</KEY>
<KEY name="progressbar">
    <VALUE>int</VALUE>
</KEY>
<KEY name="available">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deadline">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completionendreached">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completiontimespent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="allowofflineattempts">
    <VALUE>int</VALUE>
</KEY>
<KEY name="introfiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="mediafiles">
```


?

```
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_lesson_access_information

Return access information for a given lesson. ?

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //Lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

Response

```
General structure

object {
canmanage int   //Whether the user can manage the lesson or not.
cangrade int   //Whether the user can grade the lesson or not.
canviewreports int   //Whether the user can view the lesson reports or not.
reviewmode int   //Whether the lesson is in review mode for the current user.
attemptscount int   //The number of attempts done by the user.
lastpageseen int   //The last page seen id.
leftduringtimedsession int   //Whether the user left during a timed session.
firstpageid int   //The lesson first page id.
preventaccessreasons list of (
  //The reasons why the user cannot attempt the lesson
object {
reason string   //Reason lang string code
data string   //Additional data
message string   //Complete html message
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [canmanage] => int
    [cangrade] => int
    [canviewreports] => int
    [reviewmode] => int
    [attemptscount] => int
    [lastpageseen] => int
    [leftduringtimedsession] => int
    [firstpageid] => int
    [preventaccessreasons] =>
        Array
            (
            [0] =>
                Array
                    (
                    [reason] => string
                    [data] => string
                    [message] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cangrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewreports">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewmode">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="attemptscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="lastpageseen">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="leftduringtimedsession">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="firstpageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="preventaccessreasons">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="reason">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="data">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_lessons_by_courses

Returns a list of lessons in a provided list of courses, if no list is provided all lessons that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
lessons list of (
object {
id int   //Standard Moodle primary key.
course int   //Foreign key reference to the course this lesson is part of.
coursemodule int   //Course module id.
name string   //Lesson name.
intro string  Optional //Lesson introduction text.
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lang string   //Forced activity language
practice int  Optional //Practice lesson?
modattempts int  Optional //Allow student review?
usepassword int  Optional //Password protected lesson?
password string  Optional //Password
dependency int  Optional //Dependent on (another lesson id)
conditions string  Optional //Conditions to enable the lesson
grade int  Optional //The total that the grade is scaled to be out of
custom int  Optional //Custom scoring?
ongoing int  Optional //Display ongoing score?
usemaxgrade int  Optional //How to calculate the final grade
maxanswers int  Optional //Maximum answers per page
maxattempts int  Optional //Maximum attempts
review int  Optional //Provide option to try a question again
nextpagedefault int  Optional //Action for a correct answer
feedback int  Optional //Display default feedback
minquestions int  Optional //Minimum number of questions
maxpages int  Optional //Number of pages to show
timelimit int  Optional //Time limit
retake int  Optional //Re-takes allowed
activitylink int  Optional //Id of the next activity to be linked once the lesson is completed
mediafile string  Optional //Local file path or full external URL
mediaheight int  Optional //Popup for media file height
mediawidth int  Optional //Popup for media with
mediaclose int  Optional //Display a close button in the popup?
slideshow int  Optional //Display lesson as slideshow
width int  Optional //Slideshow width
height int  Optional //Slideshow height
bgcolor string  Optional //Slideshow bgcolor
displayleft int  Optional //Display left pages menu?
displayleftif int  Optional //Minimum grade to display menu
progressbar int  Optional //Display progress bar?
available int  Optional //Available from
deadline int  Optional //Available until
timemodified int  Optional //Last time settings were updated
completionendreached int  Optional //Require end reached for completion?
completiontimespent int  Optional //Student must do this activity at least for
allowofflineattempts int   //Whether to allow the lesson to be attempted offline in the mobile app
introfiles  Optional //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)mediafiles  Optional //mediafiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [lessons] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [coursemodule] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [lang] => string
                    [practice] => int
                    [modattempts] => int
                    [usepassword] => int
                    [password] => string
                    [dependency] => int
                    [conditions] => string
                    [grade] => int
                    [custom] => int
                    [ongoing] => int
                    [usemaxgrade] => int
                    [maxanswers] => int
                    [maxattempts] => int
                    [review] => int
                    [nextpagedefault] => int
                    [feedback] => int
                    [minquestions] => int
                    [maxpages] => int
                    [timelimit] => int
                    [retake] => int
                    [activitylink] => int
                    [mediafile] => string
                    [mediaheight] => int
                    [mediawidth] => int
                    [mediaclose] => int
                    [slideshow] => int
                    [width] => int
                    [height] => int
                    [bgcolor] => string
                    [displayleft] => int
                    [displayleftif] => int
                    [progressbar] => int
                    [available] => int
                    [deadline] => int
                    [timemodified] => int
                    [completionendreached] => int
                    [completiontimespent] => int
                    [allowofflineattempts] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [mediafiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
```

?

```
                                    )
                                )
                            )
                        )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="lessons">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="practice">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="modattempts">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usepassword">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="password">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="dependency">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="conditions">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="custom">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ongoing">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usemaxgrade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxanswers">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxattempts">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="review">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nextpagedefault">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedback">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="minquestions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxpages">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timelimit">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="retake">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="activitylink">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediafile">
    <VALUE>string</VALUE>
</KEY>
<KEY name="mediaheight">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediawidth">
    <VALUE>int</VALUE>
</KEY>
<KEY name="mediaclose">
    <VALUE>int</VALUE>
</KEY>
<KEY name="slideshow">
    <VALUE>int</VALUE>
</KEY>
<KEY name="width">
    <VALUE>int</VALUE>
</KEY>
<KEY name="height">
    <VALUE>int</VALUE>
</KEY>
<KEY name="bgcolor">
    <VALUE>string</VALUE>
</KEY>
<KEY name="displayleft">
    <VALUE>int</VALUE>
</KEY>
<KEY name="displayleftif">
    <VALUE>int</VALUE>
</KEY>
<KEY name="progressbar">
    <VALUE>int</VALUE>
</KEY>
<KEY name="available">
    <VALUE>int</VALUE>
</KEY>
<KEY name="deadline">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completionendreached">
    <VALUE>int</VALUE>
</KEY>
<KEY name="completiontimespent">
    <VALUE>int</VALUE>
</KEY>
<KEY name="allowofflineattempts">
    <VALUE>int</VALUE>
</KEY>
<KEY name="introfiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
```


?

```
                    <KEY name="mediafiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_page_data ?

Return information of a given page, including its contents.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //Lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

pageid (Required)

the page id

```
General structure

int   //the page id
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

password (Default to "")

optional password (the lesson may be protected)

```
General structure

string  Default to "" //optional password (the lesson may be protected)
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

review (Default to "")

if we want to review just after finishing (1 hour margin)

```
General structure

int  Default to "" //if we want to review just after finishing (1 hour margin)
```

```
XML-RPC (PHP structure)

[review] => int
```

?

```
REST (POST parameters)

review= int
```

returncontents (Default to "")

if we must return the complete page contents once rendered

```
General structure

int  Default to "" //if we must return the complete page contents once rendered
```

```
XML-RPC (PHP structure)

[returncontents] => int
```

```
REST (POST parameters)

returncontents= int
```

Response

?

```
General structure

object {
page  Optional //Page fields
object {
id int   //The id of this lesson page
lessonid int   //The id of the lesson this page belongs to
prevpageid int   //The id of the page before this one
nextpageid int   //The id of the next page in the page sequence
qtype int   //Identifies the page type of this page
qoption int   //Used to record page type specific options
layout int   //Used to record page specific layout selections
display int   //Used to record page specific display selections
timecreated int   //Timestamp for when the page was created
timemodified int   //Timestamp for when the page was last modified
title string  Optional //The title of this page
contents string  Optional //The contents of this page
contentsformat int  Optional //contents format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
displayinmenublock int   //Toggles display in the left menu block
type int   //The type of the page [question | structure]
typeid int   //The unique identifier for the page type
typestring string   //The string that describes this page type
}
newpageid int   //New page id (if a jump was made)
pagecontent string  Optional //Page html content
ongoingscore string   //The ongoing score message
progress int   //Progress percentage in the lesson
contentfiles   //List of files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)answers list of (
  //The page answers
object {
id int   //The ID of this answer in the database
answerfiles   //List of files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)responsefiles   //List of files.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)jumpto int  Optional //Identifies where the user goes upon completing a page with this answer
grade int  Optional //The grade this answer is worth
score int  Optional //The score this answer will give
flags int  Optional //Used to store options for the answer
timecreated int  Optional //A timestamp of when the answer was created
timemodified int  Optional //A timestamp of when the answer was modified
answer string  Optional //Possible answer text
answerformat int  Optional //answer format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
response string  Optional //Response text for the answer
responseformat int  Optional //response format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
}
)messages list of (
  //The lesson generated messages
object {
message string   //Message.
```

?

```
type string   //Message type: usually a CSS identifier like:
                success, info, warning, error, notifyproblem, notifyerror, notifytiny, notifysuccess
}
)displaymenu int   //Whether we should display the menu or not in this page.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [page] =>
        Array
            (
            [id] => int
            [lessonid] => int
            [prevpageid] => int
            [nextpageid] => int
            [qtype] => int
            [qoption] => int
            [layout] => int
            [display] => int
            [timecreated] => int
            [timemodified] => int
            [title] => string
            [contents] => string
            [contentsformat] => int
            [displayinmenublock] => int
            [type] => int
            [typeid] => int
            [typestring] => string
            )
    [newpageid] => int
    [pagecontent] => string
    [ongoingscore] => string
    [progress] => int
    [contentfiles] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [answers] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [answerfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [responsefiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
```

?

```
                    [jumpto] => int
                    [grade] => int
                    [score] => int
                    [flags] => int
                    [timecreated] => int
                    [timemodified] => int
                    [answer] => string
                    [answerformat] => int
                    [response] => string
                    [responseformat] => int
                    )
            )
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [message] => string
                    [type] => string
                    )
            )
    [displaymenu] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="page">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lessonid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="prevpageid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="nextpageid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="qtype">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="qoption">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="layout">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="display">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="title">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contents">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contentsformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="displayinmenublock">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="type">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="typeid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="typestring">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="newpageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pagecontent">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ongoingscore">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contentfiles">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="answers">
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="answerfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="responsefiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="jumpto">
                <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="grade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="score">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flags">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="answer">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="answerformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="response">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="responseformat">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="displaymenu">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_lesson_get_pages

Return the list of pages in a lesson (based on the user permissions).

Arguments
lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

password (Default to "")

optional password (the lesson may be protected)

```
General structure

string  Default to "" //optional password (the lesson may be protected)
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

Response

?

```
General structure

object {
pages list of (
  //The lesson pages
object {
page   //Page fields
object {
id int   //The id of this lesson page
lessonid int   //The id of the lesson this page belongs to
prevpageid int   //The id of the page before this one
nextpageid int   //The id of the next page in the page sequence
qtype int   //Identifies the page type of this page
qoption int   //Used to record page type specific options
layout int   //Used to record page specific layout selections
display int   //Used to record page specific display selections
timecreated int   //Timestamp for when the page was created
timemodified int   //Timestamp for when the page was last modified
title string  Optional //The title of this page
contents string  Optional //The contents of this page
contentsformat int  Optional //contents format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
displayinmenublock int   //Toggles display in the left menu block
type int   //The type of the page [question | structure]
typeid int   //The unique identifier for the page type
typestring string   //The string that describes this page type
}
answerids   //List of answers ids (empty for content pages in  Moodle 1.9)
list of (
int   //Answer id
)jumps   //List of possible page jumps
list of (
int   //Page to jump id
)filescount int   //The total number of files attached to the page
filessizetotal int   //The total size of the files
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [pages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [page] =>
                        Array
                            (
                            [id] => int
                            [lessonid] => int
                            [prevpageid] => int
                            [nextpageid] => int
                            [qtype] => int
                            [qoption] => int
                            [layout] => int
                            [display] => int
                            [timecreated] => int
                            [timemodified] => int
                            [title] => string
                            [contents] => string
                            [contentsformat] => int
                            [displayinmenublock] => int
                            [type] => int
                            [typeid] => int
                            [typestring] => string
                            )
                    [answerids] =>
                        Array
                            (
                            [0] => int
                            )
                    [jumps] =>
                        Array
                            (
                            [0] => int
                            )
                    [filescount] => int
                    [filessizetotal] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="page">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="lessonid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="prevpageid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="nextpageid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="qtype">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="qoption">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="layout">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="display">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contents">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contentsformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="displayinmenublock">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="typeid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="typestring">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="answerids">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="jumps">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="filescount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filessizetotal">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
```


?

```
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_pages_possible_jumps

Return all the possible jumps for the pages in a given lesson.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //Lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

Response

?

General structure

```
object {
jumps list of (
  //Jump for a page answer
object {
pageid int   //The page id
answerid int   //The answer id
jumpto int   //The jump (page id or type of jump)
calculatedjump int   //The real page id (or EOL) to jump
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [jumps] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [pageid] => int
                        [answerid] => int
                        [jumpto] => int
                        [calculatedjump] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="jumps">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="pageid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="answerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="jumpto">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="calculatedjump">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_questions_attempts

Return the list of questions attempts in a given lesson.

Arguments

lessonid (Required)

lesson instance id ?

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

attempt (Required)

lesson attempt number

```
General structure

int   //lesson attempt number
```

```
XML-RPC (PHP structure)

[attempt] => int
```

```
REST (POST parameters)

attempt= int
```

correct (Default to "")

only fetch correct attempts

```
General structure

int  Default to "" //only fetch correct attempts
```

```
XML-RPC (PHP structure)

[correct] => int
```

```
REST (POST parameters)

correct= int
```

pageid (Default to "null")

only fetch attempts at the given page

```
General structure

int  Default to "null" //only fetch attempts at the given page
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

userid (Default to "null")

only fetch attempts of the given user

?

```
General structure

int  Default to "null" //only fetch attempts of the given user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
attempts list of (
  //The question page attempts
object {
id int   //The attempt id
lessonid int   //The attempt lessonid
pageid int   //The attempt pageid
userid int   //The user who did the attempt
answerid int   //The attempt answerid
retry int   //The lesson attempt number
correct int   //If it was the correct answer
useranswer string   //The complete user answer
timeseen int   //The time the question was seen
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [attempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [lessonid] => int
                    [pageid] => int
                    [userid] => int
                    [answerid] => int
                    [retry] => int
                    [correct] => int
                    [useranswer] => string
                    [timeseen] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lessonid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pageid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="answerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="retry">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="correct">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useranswer">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timeseen">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_lesson_get_user_attempt

Return information about the given user attempt (including answers).

Arguments

lessonid (Required)

Lesson instance id.

```
General structure

int   //Lesson instance id.
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

userid (Required)

The user id. 0 for current user.

```
General structure

int   //The user id. 0 for current user.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

lessonattempt (Required)

The attempt number.

```
General structure

int   //The attempt number.
```

```
XML-RPC (PHP structure)

[lessonattempt] => int
```

```
REST (POST parameters)

lessonattempt= int
```

Response

?

```
General structure

object {
answerpages list of (
object {
page  Optional //Page fields
object {
id int   //The id of this lesson page
lessonid int   //The id of the lesson this page belongs to
prevpageid int   //The id of the page before this one
nextpageid int   //The id of the next page in the page sequence
qtype int   //Identifies the page type of this page
qoption int   //Used to record page type specific options
layout int   //Used to record page specific layout selections
display int   //Used to record page specific display selections
timecreated int   //Timestamp for when the page was created
timemodified int   //Timestamp for when the page was last modified
title string  Optional //The title of this page
contents string  Optional //The contents of this page
contentsformat int  Optional //contents format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
displayinmenublock int   //Toggles display in the left menu block
type int   //The type of the page [question | structure]
typeid int   //The unique identifier for the page type
typestring string   //The string that describes this page type
}
title string   //Page title.
contents string   //Page contents.
qtype string   //Identifies the page type of this page.
grayout int   //If is required to apply a grayout.
answerdata  Optional //Answer data (empty in content pages created in Moodle 1.x).
object {
score string   //The score (text version).
response string   //The response text.
responseformat int   //response. format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
answers  Optional //User answers
list of (
list of (
string   //Possible answers and info.
))}
}
)userstats object {
grade double   //Attempt final grade.
completed int   //Time completed.
timetotake int   //Time taken.
gradeinfo  Optional //Attempt grade
object {
nquestions int   //Number of questions answered
attempts int   //Number of question attempts
total double   //Max points possible
earned double   //Points earned by student
grade double   //Calculated percentage grade
nmanual int   //Number of manually graded questions
manualpoints double   //Point value for manually graded questions
}
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [answerpages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [page] =>
                        Array
                            (
                            [id] => int
                            [lessonid] => int
                            [prevpageid] => int
                            [nextpageid] => int
                            [qtype] => int
                            [qoption] => int
                            [layout] => int
                            [display] => int
                            [timecreated] => int
                            [timemodified] => int
                            [title] => string
                            [contents] => string
                            [contentsformat] => int
                            [displayinmenublock] => int
                            [type] => int
                            [typeid] => int
                            [typestring] => string
                            )
                    [title] => string
                    [contents] => string
                    [qtype] => string
                    [grayout] => int
                    [answerdata] =>
                        Array
                            (
                            [score] => string
                            [response] => string
                            [responseformat] => int
                            [answers] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [0] => string
                                            )
                                    )
                            )
                    )
            )
    [userstats] =>
        Array
            (
            [grade] => double
            [completed] => int
            [timetotake] => int
            [gradeinfo] =>
                Array
                    (
                    [nquestions] => int
                    [attempts] => int
                    [total] => double
                    [earned] => double
                    [grade] => double
                    [nmanual] => int
                    [manualpoints] => double
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="answerpages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="page">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="lessonid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="prevpageid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="nextpageid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="qtype">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="qoption">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="layout">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="display">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contents">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="contentsformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="displayinmenublock">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="type">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="typeid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="typestring">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contents">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="qtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="grayout">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="answerdata">
                        <SINGLE>
                            <KEY name="score">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="response">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="responseformat">
                                <VALUE>int</VALUE>
```


?

```
                        </KEY>
                        <KEY name="answers">
                            <MULTIPLE>
                                <MULTIPLE>
                                    <VALUE>string</VALUE>
                                </MULTIPLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="userstats">
        <SINGLE>
            <KEY name="grade">
                <VALUE>double</VALUE>
            </KEY>
            <KEY name="completed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timetotake">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="gradeinfo">
                <SINGLE>
                    <KEY name="nquestions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attempts">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="total">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="earned">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="nmanual">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="manualpoints">
                        <VALUE>double</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_user_attempt_grade

Return grade information in the attempt for a given user.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

lessonattempt (Required)

lesson attempt number

```
General structure

int   //lesson attempt number
```

```
XML-RPC (PHP structure)

[lessonattempt] => int
```

```
REST (POST parameters)

lessonattempt= int
```

userid (Default to "null")

the user id (empty for current user)

```
General structure

int  Default to "null" //the user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

?

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
grade   //Attempt grade
object {
nquestions int   //Number of questions answered
attempts int   //Number of question attempts
total double   //Max points possible
earned double   //Points earned by student
grade double   //Calculated percentage grade
nmanual int   //Number of manually graded questions
manualpoints double   //Point value for manually graded questions
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [grade] =>
            Array
                (
                [nquestions] => int
                [attempts] => int
                [total] => double
                [earned] => double
                [grade] => double
                [nmanual] => int
                [manualpoints] => double
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="grade">
            <SINGLE>
                <KEY name="nquestions">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attempts">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="total">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="earned">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="nmanual">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="manualpoints">
                    <VALUE>double</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_user_grade

Return the final grade in the lesson for the given user. ?

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

userid (Default to "null")

the user id (empty for current user)

```
General structure

int  Default to "null" //the user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
grade double   //The lesson final raw grade
formattedgrade string   //The lesson final grade formatted
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [grade] => double
    [formattedgrade] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="grade">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="formattedgrade">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_get_user_timers

?

Return the timers in the current lesson for the given user.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //Lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

userid (Default to "null")

the user id (empty for current user)

```
General structure

int  Default to "null" //the user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
timers list of (
  //The timers
object {
id int   //The attempt id
lessonid int   //The lesson id
userid int   //The user id
starttime int   //First access time for a new timer session
lessontime int   //Last access time to the lesson during the timer session
completed int   //If the lesson for this timer was completed
timemodifiedoffline int   //Last modified time via webservices.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [timers] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [lessonid] => int
                    [userid] => int
                    [starttime] => int
                    [lessontime] => int
                    [completed] => int
                    [timemodifiedoffline] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="timers">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lessonid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="starttime">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lessontime">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodifiedoffline">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_launch_attempt

?

Starts a new attempt or continues an existing one.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

password (Default to "")

optional password (the lesson may be protected)

```
General structure

string  Default to "" //optional password (the lesson may be protected)
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

pageid (Default to "0")

page id to continue from (only when continuing an attempt)

```
General structure

int  Default to "0" //page id to continue from (only when continuing an attempt)
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

review (Default to "")

if we want to review just after finishing

```
General structure

int  Default to "" //if we want to review just after finishing
```

```
XML-RPC (PHP structure)

[review] => int
```

?

```
REST (POST parameters)

review= int
```

Response

```
General structure

object {
messages list of (
  //The lesson generated messages
object {
message string   //Message.
type string   //Message type: usually a CSS identifier like:
                                success, info, warning, error, notifyproblem, notifyerror, notifytiny, notifysuccess
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [messages] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [message] => string
                        [type] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_process_page

Processes page responses.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

?

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

pageid (Required)

the page id

```
General structure

int   //the page id
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

data (Required)

the data to be saved

```
General structure

  //the data to be saved
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

data[0][name]= string
data[0][value]= string
```

password (Default to "")

optional password (the lesson may be protected)

```
General structure

string  Default to "" //optional password (the lesson may be protected)
```

```
XML-RPC (PHP structure)

[password] => string
```

?

```
REST (POST parameters)

password= string
```

review (Default to "")

if we want to review just after finishing (1 hour margin)

```
General structure

int  Default to "" //if we want to review just after finishing (1 hour margin)
```

```
XML-RPC (PHP structure)

[review] => int
```

```
REST (POST parameters)

review= int
```

Response

```
General structure

object {
newpageid int   //New page id (if a jump was made).
inmediatejump int   //Whether the page processing redirect directly to anoter page.
nodefaultresponse int   //Whether there is not a default response.
feedback string   //The response feedback.
attemptsremaining int   //Number of attempts remaining.
correctanswer int   //Whether the answer is correct.
noanswer int   //Whether there aren't answers.
isessayquestion int   //Whether is a essay question.
maxattemptsreached int   //Whether we reachered the max number of attempts.
response string   //The response.
studentanswer string   //The student answer.
userresponse string   //The user response.
reviewmode int   //Whether the user is reviewing.
ongoingscore string   //The ongoing message.
progress int   //Progress percentage in the lesson.
displaymenu int   //Whether we should display the menu or not in this page.
messages list of (
  //The lesson generated messages
object {
message string   //Message.
type string   //Message type: usually a CSS identifier like:
                              success, info, warning, error, notifyproblem, notifyerror, notifytiny, notifysuccess
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [newpageid] => int
    [inmediatejump] => int
    [nodefaultresponse] => int
    [feedback] => string
    [attemptsremaining] => int
    [correctanswer] => int
    [noanswer] => int
    [isessayquestion] => int
    [maxattemptsreached] => int
    [response] => string
    [studentanswer] => string
    [userresponse] => string
    [reviewmode] => int
    [ongoingscore] => string
    [progress] => int
    [displaymenu] => int
    [messages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [message] => string
                    [type] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="newpageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="inmediatejump">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="nodefaultresponse">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="feedback">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="attemptsremaining">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="correctanswer">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="noanswer">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isessayquestion">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="maxattemptsreached">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="response">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="studentanswer">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="userresponse">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reviewmode">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ongoingscore">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="progress">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaymenu">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="messages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lesson_view_lesson

Trigger the course module viewed event and update the module completion status.

Arguments

lessonid (Required)

lesson instance id

```
General structure

int   //lesson instance id
```

```
XML-RPC (PHP structure)

[lessonid] => int
```

```
REST (POST parameters)

lessonid= int
```

password (Default to "")

lesson password

```
General structure

string  Default to "" //lesson password
```

```
XML-RPC (PHP structure)

[password] => string
```

```
REST (POST parameters)

password= string
```

Response

?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lti_create_tool_proxy

Create a tool proxy

Arguments

name (Default to "")

Tool proxy name

```
General structure

string  Default to "" //Tool proxy name
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

regurl (Required)

Tool proxy registration URL

```
General structure

string   //Tool proxy registration URL
```

```
XML-RPC (PHP structure)

[regurl] => string
```

```
REST (POST parameters)

regurl= string
```

capabilityoffered (Default to "Array ( ) ")

Array of capabilities

```
General structure

 Default to "Array
(
)
" //Array of capabilities
list of (
string   //Tool proxy capabilities offered
)
```

```
XML-RPC (PHP structure)

[capabilityoffered] =>
    Array
        (
        [0] => string
        )
```

?

```
REST (POST parameters)

capabilityoffered[0]= string
```

serviceoffered (Default to "Array ( ) ")

Array of services

```
General structure

 Default to "Array
(
)
" //Array of services
list of (
string   //Tool proxy services offered
)
```

```
XML-RPC (PHP structure)

[serviceoffered] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

serviceoffered[0]= string
```

Response

```
General structure

object {
id int   //Tool proxy id
name string   //Tool proxy name
regurl string   //Tool proxy registration URL
state int   //Tool proxy state
guid string   //Tool proxy globally unique identifier
secret string   //Tool proxy shared secret
vendorcode string   //Tool proxy consumer code
capabilityoffered string   //Tool proxy capabilities offered
serviceoffered string   //Tool proxy services offered
toolproxy string   //Tool proxy
timecreated int   //Tool proxy time created
timemodified int   //Tool proxy modified
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        [name] => string
        [regurl] => string
        [state] => int
        [guid] => string
        [secret] => string
        [vendorcode] => string
        [capabilityoffered] => string
        [serviceoffered] => string
        [toolproxy] => string
        [timecreated] => int
        [timemodified] => int
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="regurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="state">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="guid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="secret">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="vendorcode">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="capabilityoffered">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="serviceoffered">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="toolproxy">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_create_tool_type

Create a tool type

Arguments

cartridgeurl (Default to "")

URL to cardridge to load tool information ?

```
General structure

string  Default to "" //URL to cardridge to load tool information
```

```
XML-RPC (PHP structure)

[cartridgeurl] => string
```

```
REST (POST parameters)

cartridgeurl= string
```

key (Default to "")

Consumer key

```
General structure

string  Default to "" //Consumer key
```

```
XML-RPC (PHP structure)

[key] => string
```

```
REST (POST parameters)

key= string
```

secret (Default to "")

Shared secret

```
General structure

string  Default to "" //Shared secret
```

```
XML-RPC (PHP structure)

[secret] => string
```

```
REST (POST parameters)

secret= string
```

Response

Tool

?

```
General structure

  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
platformid string   //Platform ID
clientid string   //Client ID
deploymentid int   //Deployment ID
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit URL
publickeyset string   //Public Keyset URL
accesstoken string   //Access Token URL
authrequest string   //Authorisation Request URL
}
state object {
text string   //Tool type state name string
pending int   //Is the state pending
configured int   //Is the state configured
rejected int   //Is the state rejected
unknown int   //Is the state unknown
}
hascapabilitygroups int   //Indicate if capabilitygroups is populated
capabilitygroups  Default to "Array
(
)
" //Array of capability groups
list of (
string   //Tool type capability groups enabled
)courseid int  Default to "0" //Tool type course
instanceids  Default to "Array
(
)
" //IDs for the LTI instances using this type
list of (
int   //LTI instance ID
)instancecount int   //The number of times this tool is being used
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [description] => string
    [platformid] => string
    [clientid] => string
    [deploymentid] => int
    [urls] =>
        Array
            (
            [icon] => string
            [edit] => string
            [course] => string
            [publickeyset] => string
            [accesstoken] => string
            [authrequest] => string
            )
    [state] =>
        Array
            (
            [text] => string
            [pending] => int
            [configured] => int
            [rejected] => int
            [unknown] => int
            )
    [hascapabilitygroups] => int
    [capabilitygroups] =>
        Array
            (
            [0] => string
            )
    [courseid] => int
    [instanceids] =>
        Array
            (
            [0] => int
            )
    [instancecount] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="platformid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="clientid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="deploymentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="urls">
            <SINGLE>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="edit">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="course">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="publickeyset">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="accesstoken">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="authrequest">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="state">
            <SINGLE>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pending">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="configured">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rejected">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="unknown">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="hascapabilitygroups">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="capabilitygroups">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="instanceids">
            <MULTIPLE>
                <VALUE>int</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="instancecount">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_delete_course_tool_type

Delete a course tool type

Arguments

tooltypeid (Required)

Tool type ID

```
General structure

int   //Tool type ID
```

```
XML-RPC (PHP structure)

[tooltypeid] => int
```

```
REST (POST parameters)

tooltypeid= int
```

Response

Success

```
General structure

int   //Success
```

```
XML-RPC (PHP structure)

 int
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_delete_tool_proxy

Delete a tool proxy

Arguments

id (Required)

Tool proxy id

```
General structure

int   //Tool proxy id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
id int   //Tool proxy id
name string   //Tool proxy name
regurl string   //Tool proxy registration URL
state int   //Tool proxy state
guid string   //Tool proxy globally unique identifier
secret string   //Tool proxy shared secret
vendorcode string   //Tool proxy consumer code
capabilityoffered string   //Tool proxy capabilities offered
serviceoffered string   //Tool proxy services offered
toolproxy string   //Tool proxy
timecreated int   //Tool proxy time created
timemodified int   //Tool proxy modified
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [regurl] => string
    [state] => int
    [guid] => string
    [secret] => string
    [vendorcode] => string
    [capabilityoffered] => string
    [serviceoffered] => string
    [toolproxy] => string
    [timecreated] => int
    [timemodified] => int
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="regurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="state">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="guid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="secret">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="vendorcode">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="capabilityoffered">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="serviceoffered">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="toolproxy">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

?

Yes

Callable from AJAX

Yes

mod_lti_delete_tool_type

Delete a tool type

Arguments

id (Required)

Tool type id

```
General structure

int   //Tool type id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
id int   //Tool type id
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [id] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

mod_lti_get_ltis_by_courses

Returns a list of external tool instances in a provided set of courses, if no courses are provided then all the external tool instances the user has access to will be returned.

Arguments
courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
ltis list of (
  //Tool
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //Activity introduction
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
timecreated int  Optional //Time of creation
timemodified int  Optional //Time of last modification
typeid int  Optional //Type id
toolurl string  Optional //Tool url
securetoolurl string  Optional //Secure tool url
instructorchoicesendname string  Optional //Instructor choice send name
instructorchoicesendemailaddr int  Optional //instructor choice send mail address
instructorchoiceallowroster int  Optional //Instructor choice allow roster
instructorchoiceallowsetting int  Optional //Instructor choice allow setting
instructorcustomparameters string  Optional //instructor custom parameters
instructorchoiceacceptgrades int  Optional //instructor choice accept grades
grade int  Optional //Enable grades
launchcontainer int  Optional //Launch container mode
resourcekey string  Optional //Resource key
password string  Optional //Shared secret
debuglaunch int  Optional //Debug launch
showtitlelaunch int  Optional //Show title launch
showdescriptionlaunch int  Optional //Show description launch
servicesalt string  Optional //Service salt
icon string  Optional //Alternative icon URL
secureicon string  Optional //Secure icon URL
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [ltis] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [timecreated] => int
                    [timemodified] => int
                    [typeid] => int
                    [toolurl] => string
                    [securetoolurl] => string
                    [instructorchoicesendname] => string
                    [instructorchoicesendemailaddr] => int
                    [instructorchoiceallowroster] => int
                    [instructorchoiceallowsetting] => int
                    [instructorcustomparameters] => string
                    [instructorchoiceacceptgrades] => int
                    [grade] => int
                    [launchcontainer] => int
                    [resourcekey] => string
                    [password] => string
                    [debuglaunch] => int
                    [showtitlelaunch] => int
                    [showdescriptionlaunch] => int
                    [servicesalt] => string
                    [icon] => string
                    [secureicon] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="ltis">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="typeid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="toolurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="securetoolurl">
                        <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="instructorchoicesendname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instructorchoicesendemailaddr">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="instructorchoiceallowroster">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="instructorchoiceallowsetting">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="instructorcustomparameters">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="instructorchoiceacceptgrades">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="launchcontainer">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="resourcekey">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="password">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="debuglaunch">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showtitlelaunch">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showdescriptionlaunch">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="servicesalt">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="secureicon">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lti_get_tool_launch_data

Return the launch data for a given external tool.

Arguments

toolid (Required)

external tool instance id

```
General structure

int   //external tool instance id
```

```
XML-RPC (PHP structure)

[toolid] => int
```

```
REST (POST parameters)

toolid= int
```

Response

```
General structure

object {
endpoint string   //Endpoint URL
parameters list of (
object {
name string   //Parameter name
value string   //Parameter value
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [endpoint] => string
    [parameters] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="endpoint">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="parameters">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_lti_get_tool_proxies

Get a list of the tool proxies

Arguments

orphanedonly (Default to "0")

Orphaned tool types only

```
General structure

int  Default to "0" //Orphaned tool types only
```

```
XML-RPC (PHP structure)

[orphanedonly] => int
```

```
REST (POST parameters)

orphanedonly= int
```

Response

```
General structure

list of (
object {
id int   //Tool proxy id
name string   //Tool proxy name
regurl string   //Tool proxy registration URL
state int   //Tool proxy state
guid string   //Tool proxy globally unique identifier
secret string   //Tool proxy shared secret
vendorcode string   //Tool proxy consumer code
capabilityoffered string   //Tool proxy capabilities offered
serviceoffered string   //Tool proxy services offered
toolproxy string   //Tool proxy
timecreated int   //Tool proxy time created
timemodified int   //Tool proxy modified
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [regurl] => string
            [state] => int
            [guid] => string
            [secret] => string
            [vendorcode] => string
            [capabilityoffered] => string
            [serviceoffered] => string
            [toolproxy] => string
            [timecreated] => int
            [timemodified] => int
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="regurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="state">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="guid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="secret">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="vendorcode">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="capabilityoffered">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="serviceoffered">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="toolproxy">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

mod_lti_get_tool_proxy_registration_request

Get a registration request for a tool proxy

Arguments
id (Required)

Tool proxy id

```
General structure

int   //Tool proxy id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
lti_message_type string   //LTI message type
lti_version string   //LTI version
reg_key string   //Tool proxy registration key
reg_password string   //Tool proxy registration password
reg_url string   //Tool proxy registration url
tc_profile_url string   //Tool consumers profile URL
launch_presentation_return_url string   //URL to redirect on registration completion
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [lti_message_type] => string
        [lti_version] => string
        [reg_key] => string
        [reg_password] => string
        [reg_url] => string
        [tc_profile_url] => string
        [launch_presentation_return_url] => string
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="lti_message_type">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="lti_version">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reg_key">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reg_password">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reg_url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tc_profile_url">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="launch_presentation_return_url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_get_tool_types

Get a list of the tool types

Arguments

toolproxyid (Default to "0")

Tool proxy id

```
General structure

int  Default to "0" //Tool proxy id
```

```
XML-RPC (PHP structure)

[toolproxyid] => int
```

?

```
REST (POST parameters)

toolproxyid= int
```

Response

```
General structure

list of (
  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
platformid string   //Platform ID
clientid string   //Client ID
deploymentid int   //Deployment ID
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit URL
publickeyset string   //Public Keyset URL
accesstoken string   //Access Token URL
authrequest string   //Authorisation Request URL
}
state object {
text string   //Tool type state name string
pending int   //Is the state pending
configured int   //Is the state configured
rejected int   //Is the state rejected
unknown int   //Is the state unknown
}
hascapabilitygroups int   //Indicate if capabilitygroups is populated
capabilitygroups  Default to "Array
(
)
" //Array of capability groups
list of (
string   //Tool type capability groups enabled
)courseid int  Default to "0" //Tool type course
instanceids  Default to "Array
(
)
" //IDs for the LTI instances using this type
list of (
int   //LTI instance ID
)instancecount int   //The number of times this tool is being used
}
)
```

?

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [platformid] => string
            [clientid] => string
            [deploymentid] => int
            [urls] =>
                Array
                    (
                    [icon] => string
                    [edit] => string
                    [course] => string
                    [publickeyset] => string
                    [accesstoken] => string
                    [authrequest] => string
                    )
            [state] =>
                Array
                    (
                    [text] => string
                    [pending] => int
                    [configured] => int
                    [rejected] => int
                    [unknown] => int
                    )
            [hascapabilitygroups] => int
            [capabilitygroups] =>
                Array
                    (
                    [0] => string
                    )
            [courseid] => int
            [instanceids] =>
                Array
                    (
                    [0] => int
                    )
            [instancecount] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="platformid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="clientid">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="deploymentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="urls">
                <SINGLE>
                    <KEY name="icon">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="edit">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="publickeyset">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="accesstoken">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="authrequest">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="state">
                <SINGLE>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="pending">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="configured">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="rejected">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="unknown">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="hascapabilitygroups">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="capabilitygroups">
                <MULTIPLE>
                    <VALUE>string</VALUE>
                </MULTIPLE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="instanceids">
                <MULTIPLE>
                    <VALUE>int</VALUE>
                </MULTIPLE>
            </KEY>
            <KEY name="instancecount">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
```


?

```
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_get_tool_types_and_proxies

Get a list of the tool types and tool proxies

Arguments

toolproxyid (Default to "0")

Tool proxy id

```
General structure

int  Default to "0" //Tool proxy id
```

```
XML-RPC (PHP structure)

[toolproxyid] => int
```

```
REST (POST parameters)

toolproxyid= int
```

orphanedonly (Default to "0")

Orphaned tool types only

```
General structure

int  Default to "0" //Orphaned tool types only
```

```
XML-RPC (PHP structure)

[orphanedonly] => int
```

```
REST (POST parameters)

orphanedonly= int
```

limit (Default to "60")

How many tool types displayed per page ?

```
General structure

int  Default to "60" //How many tool types displayed per page
```

```
XML-RPC (PHP structure)

[limit] => int
```

```
REST (POST parameters)

limit= int
```

offset (Default to "0")

Current offset of tool elements

```
General structure

int  Default to "0" //Current offset of tool elements
```

```
XML-RPC (PHP structure)

[offset] => int
```

```
REST (POST parameters)

offset= int
```

Response

?

```
General structure

object {
types list of (
  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
platformid string   //Platform ID
clientid string   //Client ID
deploymentid int   //Deployment ID
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit URL
publickeyset string   //Public Keyset URL
accesstoken string   //Access Token URL
authrequest string   //Authorisation Request URL
}
state object {
text string   //Tool type state name string
pending int   //Is the state pending
configured int   //Is the state configured
rejected int   //Is the state rejected
unknown int   //Is the state unknown
}
hascapabilitygroups int   //Indicate if capabilitygroups is populated
capabilitygroups  Default to "Array
(
)
" //Array of capability groups
list of (
string   //Tool type capability groups enabled
)courseid int  Default to "0" //Tool type course
instanceids  Default to "Array
(
)
" //IDs for the LTI instances using this type
list of (
int   //LTI instance ID
)instancecount int   //The number of times this tool is being used
}
)proxies list of (
object {
id int   //Tool proxy id
name string   //Tool proxy name
regurl string   //Tool proxy registration URL
state int   //Tool proxy state
guid string   //Tool proxy globally unique identifier
secret string   //Tool proxy shared secret
vendorcode string   //Tool proxy consumer code
capabilityoffered string   //Tool proxy capabilities offered
serviceoffered string   //Tool proxy services offered
toolproxy string   //Tool proxy
timecreated int   //Tool proxy time created
timemodified int   //Tool proxy modified
}
)limit int  Optional //Limit of how many tool types to show
offset int  Optional //Offset of tool types
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [types] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [platformid] => string
                    [clientid] => string
                    [deploymentid] => int
                    [urls] =>
                        Array
                            (
                            [icon] => string
                            [edit] => string
                            [course] => string
                            [publickeyset] => string
                            [accesstoken] => string
                            [authrequest] => string
                            )
                    [state] =>
                        Array
                            (
                            [text] => string
                            [pending] => int
                            [configured] => int
                            [rejected] => int
                            [unknown] => int
                            )
                    [hascapabilitygroups] => int
                    [capabilitygroups] =>
                        Array
                            (
                            [0] => string
                            )
                    [courseid] => int
                    [instanceids] =>
                        Array
                            (
                            [0] => int
                            )
                    [instancecount] => int
                    )
            )
    [proxies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [regurl] => string
                    [state] => int
                    [guid] => string
                    [secret] => string
                    [vendorcode] => string
                    [capabilityoffered] => string
                    [serviceoffered] => string
                    [toolproxy] => string
                    [timecreated] => int
                    [timemodified] => int
                    )
            )
    [limit] => int
    [offset] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="types">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="platformid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="clientid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="deploymentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="urls">
                        <SINGLE>
                            <KEY name="icon">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="edit">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="course">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="publickeyset">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="accesstoken">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="authrequest">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="state">
                        <SINGLE>
                            <KEY name="text">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="pending">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="configured">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="rejected">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="unknown">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="hascapabilitygroups">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="capabilitygroups">
                        <MULTIPLE>
                            <VALUE>string</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="courseid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="instanceids">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="instancecount">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="proxies">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="regurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="guid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="secret">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="vendorcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="capabilityoffered">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="serviceoffered">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="toolproxy">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="limit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="offset">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_get_tool_types_and_proxies_count ?

Get total number of the tool types and tool proxies

Arguments

toolproxyid (Default to "0")

Tool proxy id

```
General structure

int  Default to "0" //Tool proxy id
```

```
XML-RPC (PHP structure)

[toolproxyid] => int
```

```
REST (POST parameters)

toolproxyid= int
```

orphanedonly (Default to "0")

Orphaned tool types only

```
General structure

int  Default to "0" //Orphaned tool types only
```

```
XML-RPC (PHP structure)

[orphanedonly] => int
```

```
REST (POST parameters)

orphanedonly= int
```

Response

```
General structure

object {
count int   //Total number of tool types and proxies
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [count] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_is_cartridge

Determine if the given url is for a cartridge

Arguments

url (Required)

Tool url

```
General structure

string   //Tool url
```

```
XML-RPC (PHP structure)

[url] => string
```

```
REST (POST parameters)

url= string
```

Response

```
General structure

object {
iscartridge int   //True if the URL is a cartridge
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [iscartridge] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="iscartridge">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_toggle_showinactivitychooser

Toggle showinactivitychooser for a tool type in a course

Arguments

tooltypeid (Required)

Tool type ID

```
General structure

int   //Tool type ID
```

```
XML-RPC (PHP structure)

[tooltypeid] => int
```

```
REST (POST parameters)

tooltypeid= int
```

courseid (Required)

Course ID

```
General structure

int   //Course ID
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

showinactivitychooser (Required)

Show in activity chooser

?

General structure

```
int   //Show in activity chooser
```

XML-RPC (PHP structure)

```
[showinactivitychooser] => int
```

REST (POST parameters)

```
showinactivitychooser= int
```

Response

Success

General structure

```
int   //Success
```

XML-RPC (PHP structure)

```
 int
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_update_tool_type

Update a tool type

Arguments

id (Required)

Tool type id

?

```
General structure

int   //Tool type id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

name (Default to "null")

Tool type name

```
General structure

string  Default to "null" //Tool type name
```

```
XML-RPC (PHP structure)

[name] => string
```

```
REST (POST parameters)

name= string
```

description (Default to "null")

Tool type description

```
General structure

string  Default to "null" //Tool type description
```

```
XML-RPC (PHP structure)

[description] => string
```

```
REST (POST parameters)

description= string
```

state (Default to "null")

Tool type state

```
General structure

int  Default to "null" //Tool type state
```

```
XML-RPC (PHP structure)

[state] => int
```

```
REST (POST parameters)

state= int
```

Response

Tool ?

```
General structure

  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
platformid string   //Platform ID
clientid string   //Client ID
deploymentid int   //Deployment ID
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit URL
publickeyset string   //Public Keyset URL
accesstoken string   //Access Token URL
authrequest string   //Authorisation Request URL
}
state object {
text string   //Tool type state name string
pending int   //Is the state pending
configured int   //Is the state configured
rejected int   //Is the state rejected
unknown int   //Is the state unknown
}
hascapabilitygroups int   //Indicate if capabilitygroups is populated
capabilitygroups  Default to "Array
(
)
" //Array of capability groups
list of (
string   //Tool type capability groups enabled
)courseid int  Default to "0" //Tool type course
instanceids  Default to "Array
(
)
" //IDs for the LTI instances using this type
list of (
int   //LTI instance ID
)instancecount int   //The number of times this tool is being used
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [id] => int
    [name] => string
    [description] => string
    [platformid] => string
    [clientid] => string
    [deploymentid] => int
    [urls] =>
        Array
            (
            [icon] => string
            [edit] => string
            [course] => string
            [publickeyset] => string
            [accesstoken] => string
            [authrequest] => string
            )
    [state] =>
        Array
            (
            [text] => string
            [pending] => int
            [configured] => int
            [rejected] => int
            [unknown] => int
            )
    [hascapabilitygroups] => int
    [capabilitygroups] =>
        Array
            (
            [0] => string
            )
    [courseid] => int
    [instanceids] =>
        Array
            (
            [0] => int
            )
    [instancecount] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="platformid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="clientid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="deploymentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="urls">
            <SINGLE>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="edit">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="course">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="publickeyset">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="accesstoken">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="authrequest">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="state">
            <SINGLE>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pending">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="configured">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="rejected">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="unknown">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="hascapabilitygroups">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="capabilitygroups">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="instanceids">
            <MULTIPLE>
                <VALUE>int</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="instancecount">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_lti_view_lti

Trigger the course module viewed event and update the module completion status.

Arguments

ltiid (Required)

lti instance id

```
General structure

int   //lti instance id
```

```
XML-RPC (PHP structure)

[ltiid] => int
```

```
REST (POST parameters)

ltiid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_page_get_pages_by_courses

Returns a list of pages in a provided list of courses, if no list is provided all pages that the user can view will be returned.

?

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
pages list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
content string   //Page content
contentformat int   //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
contentfiles   //Files in the content
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)legacyfiles int   //Legacy files flag
legacyfileslast int   //Legacy files last control flag
display int   //How to display the page
displayoptions string   //Display options (width, height)
revision int   //Incremented when after each file changes, to avoid cache
timemodified int   //Last time the page was modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [pages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [content] => string
                    [contentformat] => int
                    [contentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [legacyfiles] => int
                    [legacyfileslast] => int
                    [display] => int
                    [displayoptions] => string
                    [revision] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contentformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contentfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="legacyfiles">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="legacyfileslast">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="display">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="displayoptions">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="revision">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_page_view_page

Simulate the view.php web interface page: trigger events, completion, etc...

Arguments

pageid (Required)

page instance id

```
General structure

int   //page instance id
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_add_random_questions

Add a number of random questions to a quiz.

Arguments

cmid (Required)

The cmid of the quiz

```
General structure

int   //The cmid of the quiz
```

```
XML-RPC (PHP structure)

[cmid] => int
```

?

```
REST (POST parameters)

cmid= int
```

addonpage (Required)

The page where random questions will be added to

```
General structure

int   //The page where random questions will be added to
```

```
XML-RPC (PHP structure)

[addonpage] => int
```

```
REST (POST parameters)

addonpage= int
```

randomcount (Required)

Number of random questions

```
General structure

int   //Number of random questions
```

```
XML-RPC (PHP structure)

[randomcount] => int
```

```
REST (POST parameters)

randomcount= int
```

filtercondition (Default to "")

(Optional) The filter condition used when adding random questions from an existing category. Not required if adding random questions from a new category.

```
General structure

string  Default to "" //(Optional) The filter condition used when adding random questions from an existing category.
                      Not required if adding random questions from a new category.
```

```
XML-RPC (PHP structure)

[filtercondition] => string
```

```
REST (POST parameters)

filtercondition= string
```

newcategory (Default to "")

(Optional) The name of a new question category to create and use for the random questions.

```
General structure

string  Default to "" //(Optional) The name of a new question category to create and use for the random questions.
```

```
XML-RPC (PHP structure)

[newcategory] => string
```

?

```
REST (POST parameters)

newcategory= string
```

parentcategory (Default to "0")

(Optional) The parent of the new question category, if creating one.

```
General structure

string  Default to "0" //(Optional) The parent of the new question category, if creating one.
```

```
XML-RPC (PHP structure)

[parentcategory] => string
```

```
REST (POST parameters)

parentcategory= string
```

Response

```
General structure

object {
message string  Optional //Message
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [message] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="message">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

mod_quiz_get_attempt_access_information

Return access information for a given attempt in a quiz.

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

attemptid (Default to "0")

attempt id, 0 for the user last attempt if exists

```
General structure

int  Default to "0" //attempt id, 0 for the user last attempt if exists
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

Response

```
General structure

object {
endtime int  Optional //When the attempt must be submitted (determined by rules).
isfinished int   //Whether there is no way the user will ever be allowed to attempt.
ispreflightcheckrequired int  Optional //whether a check is required before the user
                                                                    starts/continues his attempt.
preventnewattemptreasons   //list of reasons
list of (
string   //access restriction description
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [endtime] => int
    [isfinished] => int
    [ispreflightcheckrequired] => int
    [preventnewattemptreasons] =>
        Array
            (
            [0] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="endtime">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isfinished">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ispreflightcheckrequired">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="preventnewattemptreasons">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_attempt_data

Returns information for the given attempt page for a quiz attempt in progress.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

page (Required)

page number

```
General structure

int   //page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

?

XML-RPC (PHP structure)

```
[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

REST (POST parameters)

```
preflightdata[0][name]= string
preflightdata[0][value]= string
```

Response

?

```
General structure

object {
attempt object {
id int  Optional //Attempt id.
quiz int  Optional //Foreign key reference to the quiz that was attempted.
userid int  Optional //Foreign key reference to the user whose attempt this is.
attempt int  Optional //Sequentially numbers this students attempts at this quiz.
uniqueid int  Optional //Foreign key reference to the question_usage that holds the
                                                  details of the the question_attempts that make up this quiz
                                                  attempt.
layout string  Optional //Attempt layout.
currentpage int  Optional //Attempt current page.
preview int  Optional //Whether is a preview attempt or not.
state string  Optional //The current state of the attempts. 'inprogress',
                                              'overdue', 'finished' or 'abandoned'.
timestart int  Optional //Time when the attempt was started.
timefinish int  Optional //Time when the attempt was submitted.
                                                  0 if the attempt has not been submitted yet.
timemodified int  Optional //Last modified time.
timemodifiedoffline int  Optional //Last modified time via webservices.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                     state changes.  NULL means never check.
sumgrades double  Optional //Total marks for this attempt.
gradednotificationsenttime int  Optional //Time when the student was notified that manual grading of their attempt was complete.
}
messages   //access messages, will only be returned for users with mod/quiz:preview capability,
                    for other users this method will throw an exception if there are messages
list of (
string   //access message
)nextpage int   //next page number
questions list of (
  //The question data. Some fields may not be returned depending on the quiz display settings.
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
questionnumber string   //The question number to display for this question, e.g. "7", "i" or "Custom-B)".
number int  Optional //DO NOT USE. Use questionnumber. Only retained for backwards compatibility.
html string   //the question rendered
responsefileareas  Optional //Response file areas including files
list of (
object {
area string   //File area name
files  Optional //Response files for the question
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)sequencecheck int  Optional //the number of real steps in this attempt
lastactiontime int  Optional //the timestamp of the most recent step in this question attempt
hasautosavedstep int  Optional //whether this question attempt has autosaved data
flagged int   //whether the question is flagged or not
state string  Optional //the state where the question is in.
                    It will not be returned if the user cannot see it due to the quiz display correctness settings.
status string  Optional //current formatted state of the question
blockedbyprevious int  Optional //whether the question is blocked by the previous question
mark string  Optional //the mark awarded.
                    It will be returned only if the user is allowed to see it.
maxmark double  Optional //the maximum mark possible for this question attempt.
                    It will be returned only if the user is allowed to see it.
settings string  Optional //Question settings (JSON encoded).
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [attempt] =>
        Array
            (
            [id] => int
            [quiz] => int
            [userid] => int
            [attempt] => int
            [uniqueid] => int
            [layout] => string
            [currentpage] => int
            [preview] => int
            [state] => string
            [timestart] => int
            [timefinish] => int
            [timemodified] => int
            [timemodifiedoffline] => int
            [timecheckstate] => int
            [sumgrades] => double
            [gradednotificationsenttime] => int
            )
    [messages] =>
        Array
            (
            [0] => string
            )
    [nextpage] => int
    [questions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [slot] => int
                    [type] => string
                    [page] => int
                    [questionnumber] => string
                    [number] => int
                    [html] => string
                    [responsefileareas] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [area] => string
                                    [files] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    )
                            )
                    [sequencecheck] => int
                    [lastactiontime] => int
                    [hasautosavedstep] => int
                    [flagged] => int
                    [state] => string
                    [status] => string
                    [blockedbyprevious] => int
                    [mark] => string
                    [maxmark] => double
                    [settings] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
```

?

```
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attempt">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="quiz">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attempt">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="uniqueid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="layout">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="currentpage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="preview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="state">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timefinish">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodifiedoffline">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradednotificationsenttime">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="messages">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="nextpage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="questions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="slot">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="page">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="questionnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="number">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="html">
                        <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="responsefileareas">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="area">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="files">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="filename">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filepath">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="filesize">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="fileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="timemodified">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="mimetype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="isexternalfile">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="repositorytype">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="sequencecheck">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lastactiontime">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="hasautosavedstep">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="flagged">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="state">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="status">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="blockedbyprevious">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="mark">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="maxmark">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="settings">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_attempt_review

Returns review information for the given finished attempt, can be used by users or teachers.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

page (Default to "-1")

page number, empty for all the questions in all the pages

```
General structure

int  Default to "-1" //page number, empty for all the questions in all the pages
```

```
XML-RPC (PHP structure)

[page] => int
```

?

```
REST (POST parameters)

page= int
```

Response

?

```
General structure

object {
grade string   //grade for the quiz (or empty or "notyetgraded")
attempt object {
id int  Optional //Attempt id.
quiz int  Optional //Foreign key reference to the quiz that was attempted.
userid int  Optional //Foreign key reference to the user whose attempt this is.
attempt int  Optional //Sequentially numbers this students attempts at this quiz.
uniqueid int  Optional //Foreign key reference to the question_usage that holds the
                                                    details of the the question_attempts that make up this quiz
                                                    attempt.
layout string  Optional //Attempt layout.
currentpage int  Optional //Attempt current page.
preview int  Optional //Whether is a preview attempt or not.
state string  Optional //The current state of the attempts. 'inprogress',
                                                 'overdue', 'finished' or 'abandoned'.
timestart int  Optional //Time when the attempt was started.
timefinish int  Optional //Time when the attempt was submitted.
                                                    0 if the attempt has not been submitted yet.
timemodified int  Optional //Last modified time.
timemodifiedoffline int  Optional //Last modified time via webservices.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                        state changes.  NULL means never check.
sumgrades double  Optional //Total marks for this attempt.
gradednotificationsenttime int  Optional //Time when the student was notified that manual grading of their attempt was complete.
}
additionaldata list of (
object {
id string   //id of the data
title string   //data title
content string   //data content
}
)questions list of (
  //The question data. Some fields may not be returned depending on the quiz display settings.
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
questionnumber string   //The question number to display for this question, e.g. "7", "i" or "Custom-B)".
number int  Optional //DO NOT USE. Use questionnumber. Only retained for backwards compatibility.
html string   //the question rendered
responsefileareas  Optional //Response file areas including files
list of (
object {
area string   //File area name
files  Optional //Response files for the question
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)sequencecheck int  Optional //the number of real steps in this attempt
lastactiontime int  Optional //the timestamp of the most recent step in this question attempt
hasautosavedstep int  Optional //whether this question attempt has autosaved data
flagged int   //whether the question is flagged or not
state string  Optional //the state where the question is in.
                    It will not be returned if the user cannot see it due to the quiz display correctness settings.
status string  Optional //current formatted state of the question
blockedbyprevious int  Optional //whether the question is blocked by the previous question
mark string  Optional //the mark awarded.
                    It will be returned only if the user is allowed to see it.
maxmark double  Optional //the maximum mark possible for this question attempt.
                    It will be returned only if the user is allowed to see it.
settings string  Optional //Question settings (JSON encoded).
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [grade] => string
    [attempt] =>
        Array
            (
            [id] => int
            [quiz] => int
            [userid] => int
            [attempt] => int
            [uniqueid] => int
            [layout] => string
            [currentpage] => int
            [preview] => int
            [state] => string
            [timestart] => int
            [timefinish] => int
            [timemodified] => int
            [timemodifiedoffline] => int
            [timecheckstate] => int
            [sumgrades] => double
            [gradednotificationsenttime] => int
            )
    [additionaldata] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => string
                    [title] => string
                    [content] => string
                    )
            )
    [questions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [slot] => int
                    [type] => string
                    [page] => int
                    [questionnumber] => string
                    [number] => int
                    [html] => string
                    [responsefileareas] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [area] => string
                                    [files] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    )
                            )
                    [sequencecheck] => int
                    [lastactiontime] => int
                    [hasautosavedstep] => int
                    [flagged] => int
                    [state] => string
                    [status] => string
                    [blockedbyprevious] => int
                    [mark] => string
                    [maxmark] => double
                    [settings] => string
                    )
```

?

```
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="grade">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="attempt">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="quiz">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attempt">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="uniqueid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="layout">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="currentpage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="preview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="state">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timefinish">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodifiedoffline">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradednotificationsenttime">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="additionaldata">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="questions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="slot">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="page">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="questionnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="number">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="html">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="responsefileareas">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="area">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="files">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="filename">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="filepath">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="filesize">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="fileurl">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="timemodified">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="mimetype">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="isexternalfile">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="repositorytype">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="sequencecheck">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lastactiontime">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasautosavedstep">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="flagged">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="state">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="blockedbyprevious">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mark">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="maxmark">
                <VALUE>double</VALUE>
            </KEY>
            <KEY name="settings">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
```


?

```
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_attempt_summary

Returns a summary of a quiz attempt before it is submitted.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

?

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

Response

?

```
General structure

object {
questions list of (
  //The question data. Some fields may not be returned depending on the quiz display settings.
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
questionnumber string   //The question number to display for this question, e.g. "7", "i" or "Custom-B)".
number int  Optional //DO NOT USE. Use questionnumber. Only retained for backwards compatibility.
html string   //the question rendered
responsefileareas  Optional //Response file areas including files
list of (
object {
area string   //File area name
files  Optional //Response files for the question
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)}
)sequencecheck int  Optional //the number of real steps in this attempt
lastactiontime int  Optional //the timestamp of the most recent step in this question attempt
hasautosavedstep int  Optional //whether this question attempt has autosaved data
flagged int   //whether the question is flagged or not
state string  Optional //the state where the question is in.
                    It will not be returned if the user cannot see it due to the quiz display correctness settings.
status string  Optional //current formatted state of the question
blockedbyprevious int  Optional //whether the question is blocked by the previous question
mark string  Optional //the mark awarded.
                    It will be returned only if the user is allowed to see it.
maxmark double  Optional //the maximum mark possible for this question attempt.
                    It will be returned only if the user is allowed to see it.
settings string  Optional //Question settings (JSON encoded).
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [questions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [slot] => int
                    [type] => string
                    [page] => int
                    [questionnumber] => string
                    [number] => int
                    [html] => string
                    [responsefileareas] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [area] => string
                                    [files] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [filename] => string
                                                    [filepath] => string
                                                    [filesize] => int
                                                    [fileurl] => string
                                                    [timemodified] => int
                                                    [mimetype] => string
                                                    [isexternalfile] => int
                                                    [repositorytype] => string
                                                    )
                                            )
                                    )
                            )
                    [sequencecheck] => int
                    [lastactiontime] => int
                    [hasautosavedstep] => int
                    [flagged] => int
                    [state] => string
                    [status] => string
                    [blockedbyprevious] => int
                    [mark] => string
                    [maxmark] => double
                    [settings] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="questions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="slot">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="page">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="questionnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="number">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="html">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="responsefileareas">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="area">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="files">
                                    <MULTIPLE>
                                        <SINGLE>
                                            <KEY name="filename">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filepath">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="filesize">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="fileurl">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="timemodified">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="mimetype">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="isexternalfile">
                                                <VALUE>int</VALUE>
                                            </KEY>
                                            <KEY name="repositorytype">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                        </SINGLE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="sequencecheck">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lastactiontime">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasautosavedstep">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="flagged">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="blockedbyprevious">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="mark">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxmark">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="settings">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_combined_review_options

Combines the review options from a number of different quiz attempts.

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

?

```
REST (POST parameters)

quizid= int
```

userid (Default to "0")

user id (empty for current user)

```
General structure

int  Default to "0" //user id (empty for current user)
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
someoptions list of (
object {
name string   //option name
value int   //option value
}
)alloptions list of (
object {
name string   //option name
value int   //option value
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [someoptions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => int
                    )
            )
    [alloptions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="someoptions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="alloptions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_quiz_access_information

Return access information for a given quiz.

?

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

Response

```
General structure

object {
canattempt int   //Whether the user can do the quiz or not.
canmanage int   //Whether the user can edit the quiz settings or not.
canpreview int   //Whether the user can preview the quiz or not.
canreviewmyattempts int   //Whether the users can review their previous attempts
                                                          or not.
canviewreports int   //Whether the user can view the quiz reports or not.
accessrules   //list of rules
list of (
string   //rule description
)activerulenames   //list of active rules
list of (
string   //rule plugin names
)preventaccessreasons   //list of reasons
list of (
string   //access restriction description
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [canattempt] => int
    [canmanage] => int
    [canpreview] => int
    [canreviewmyattempts] => int
    [canviewreports] => int
    [accessrules] =>
        Array
            (
            [0] => string
            )
    [activerulenames] =>
        Array
            (
            [0] => string
            )
    [preventaccessreasons] =>
        Array
            (
            [0] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canattempt">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreviewmyattempts">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewreports">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="accessrules">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="activerulenames">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="preventaccessreasons">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_quiz_get_quiz_feedback_for_grade

Get the feedback text that should be show to a student who got the given grade in the given quiz.

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

grade (Required)

the grade to check

```
General structure

double   //the grade to check
```

```
XML-RPC (PHP structure)

[grade] => double
```

```
REST (POST parameters)

grade= double
```

Response

```
General structure

object {
feedbacktext string   //the comment that corresponds to this grade (empty for none)
feedbacktextformat int  Optional //feedbacktext format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackinlinefiles  Optional //feedback inline files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [feedbacktext] => string
    [feedbacktextformat] => int
    [feedbackinlinefiles] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="feedbacktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="feedbacktextformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="feedbackinlinefiles">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes ?

Callable from AJAX

No

mod_quiz_get_quiz_required_qtypes

Return the potential question types that would be required for a given quiz.

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

Response

```
General structure

object {
questiontypes   //list of question types used in the quiz
list of (
string   //question type
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [questiontypes] =>
            Array
                (
                [0] => string
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="questiontypes">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_quizzes_by_courses

Returns a list of quizzes in a provided list of courses, if no list is provided all quizzes that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

?

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
quizzes list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //Activity introduction
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
timeopen int  Optional //The time when this quiz opens. (0 = no restriction.)
timeclose int  Optional //The time when this quiz closes. (0 = no restriction.)
timelimit int  Optional //The time limit for quiz attempts, in seconds.
overduehandling string  Optional //The method used to handle overdue attempts.
                                                                    'autosubmit', 'graceperiod' or 'autoabandon'.
graceperiod int  Optional //The amount of time (in seconds) after the time limit
                                                                runs out during which attempts can still be submitted,
                                                                if overduehandling is set to allow it.
preferredbehaviour string  Optional //The behaviour to ask questions to use.
canredoquestions int  Optional //Allows students to redo any completed question
                                                                    within a quiz attempt.
attempts int  Optional //The maximum number of attempts a student is allowed.
attemptonlast int  Optional //Whether subsequent attempts start from the answer
                                                                    to the previous attempt (1) or start blank (0).
grademethod int  Optional //One of the values QUIZ_GRADEHIGHEST, QUIZ_GRADEAVERAGE,
                                                                    QUIZ_ATTEMPTFIRST or QUIZ_ATTEMPTLAST.
decimalpoints int  Optional //Number of decimal points to use when displaying
                                                                    grades.
questiondecimalpoints int  Optional //Number of decimal points to use when
                                                                          displaying question grades.
                                                                          (-1 means use decimalpoints.)
reviewattempt int  Optional //Whether users are allowed to review their quiz
                                                                    attempts at various times. This is a bit field, decoded by the
                                                                    \mod_quiz\question\display_options class. It is formed by ORing
                                                                    together the constants defined there.
reviewcorrectness int  Optional //Whether users are allowed to review their quiz
                                                              attempts at various times.A bit field, like reviewattempt.
reviewmaxmarks int  Optional //Whether users are allowed to review their quiz
                                                        attempts at various times. A bit field, like reviewattempt.
reviewmarks int  Optional //Whether users are allowed to review their quiz attempts
                                                                at various times. A bit field, like reviewattempt.
reviewspecificfeedback int  Optional //Whether users are allowed to review their
                                                                          quiz attempts at various times. A bit field, like
                                                                          reviewattempt.
reviewgeneralfeedback int  Optional //Whether users are allowed to review their
                                                                          quiz attempts at various times. A bit field, like
                                                                          reviewattempt.
reviewrightanswer int  Optional //Whether users are allowed to review their quiz
                                                                      attempts at various times. A bit field, like
                                                                      reviewattempt.
reviewoverallfeedback int  Optional //Whether users are allowed to review their quiz
                                                                          attempts at various times. A bit field, like
                                                                          reviewattempt.
questionsperpage int  Optional //How often to insert a page break when editing
                                                                      the quiz, or when shuffling the question order.
navmethod string  Optional //Any constraints on how the user is allowed to navigate
                                                                around the quiz. Currently recognised values are
                                                                'free' and 'seq'.
shuffleanswers int  Optional //Whether the parts of the question should be shuffled,
                                                                    in those question types that support it.
sumgrades double  Optional //The total of all the question instance maxmarks.
grade double  Optional //The total that the quiz overall grade is scaled to be
                                                            out of.
timecreated int  Optional //The time when the quiz was added to the course.
timemodified int  Optional //Last modified time.
password string  Optional //A password that the student must enter before starting or
```

?

```
                                                                    continuing a quiz attempt.
subnet string  Optional //Used to restrict the IP addresses from which this quiz can
                                                                  be attempted. The format is as requried by the address_in_subnet
                                                                  function.
browsersecurity string  Optional //Restriciton on the browser the student must
                                                                        use. E.g. 'securewindow'.
delay1 int  Optional //Delay that must be left between the first and second attempt,
                                                                  in seconds.
delay2 int  Optional //Delay that must be left between the second and subsequent
                                                                  attempt, in seconds.
showuserpicture int  Optional //Option to show the user's picture during the
                                                                        attempt and on the review page.
showblocks int  Optional //Whether blocks should be shown on the attempt.php and
                                                                    review.php pages.
completionattemptsexhausted int  Optional //Mark quiz complete when the student has
                                                                              exhausted the maximum number of attempts
completionpass int  Optional //Whether to require passing grade
allowofflineattempts int  Optional //Whether to allow the quiz to be attempted
                                                                          offline in the mobile app
autosaveperiod int  Optional //Auto-save delay
hasfeedback int  Optional //Whether the quiz has any non-blank feedback text
hasquestions int  Optional //Whether the quiz has questions
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [quizzes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [timeopen] => int
                    [timeclose] => int
                    [timelimit] => int
                    [overduehandling] => string
                    [graceperiod] => int
                    [preferredbehaviour] => string
                    [canredoquestions] => int
                    [attempts] => int
                    [attemptonlast] => int
                    [grademethod] => int
                    [decimalpoints] => int
                    [questiondecimalpoints] => int
                    [reviewattempt] => int
                    [reviewcorrectness] => int
                    [reviewmaxmarks] => int
                    [reviewmarks] => int
                    [reviewspecificfeedback] => int
                    [reviewgeneralfeedback] => int
                    [reviewrightanswer] => int
                    [reviewoverallfeedback] => int
                    [questionsperpage] => int
                    [navmethod] => string
                    [shuffleanswers] => int
                    [sumgrades] => double
                    [grade] => double
                    [timecreated] => int
                    [timemodified] => int
                    [password] => string
                    [subnet] => string
                    [browsersecurity] => string
                    [delay1] => int
                    [delay2] => int
                    [showuserpicture] => int
                    [showblocks] => int
                    [completionattemptsexhausted] => int
                    [completionpass] => int
                    [allowofflineattempts] => int
                    [autosaveperiod] => int
                    [hasfeedback] => int
                    [hasquestions] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
```

?

```
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="quizzes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timeopen">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeclose">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timelimit">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overduehandling">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="graceperiod">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="preferredbehaviour">
    <VALUE>string</VALUE>
</KEY>
<KEY name="canredoquestions">
    <VALUE>int</VALUE>
</KEY>
<KEY name="attempts">
    <VALUE>int</VALUE>
</KEY>
<KEY name="attemptonlast">
    <VALUE>int</VALUE>
</KEY>
<KEY name="grademethod">
    <VALUE>int</VALUE>
</KEY>
<KEY name="decimalpoints">
    <VALUE>int</VALUE>
</KEY>
<KEY name="questiondecimalpoints">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewattempt">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewcorrectness">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewmaxmarks">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewmarks">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewspecificfeedback">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewgeneralfeedback">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewrightanswer">
    <VALUE>int</VALUE>
</KEY>
<KEY name="reviewoverallfeedback">
    <VALUE>int</VALUE>
</KEY>
<KEY name="questionsperpage">
    <VALUE>int</VALUE>
</KEY>
<KEY name="navmethod">
    <VALUE>string</VALUE>
</KEY>
<KEY name="shuffleanswers">
    <VALUE>int</VALUE>
</KEY>
<KEY name="sumgrades">
    <VALUE>double</VALUE>
</KEY>
<KEY name="grade">
    <VALUE>double</VALUE>
</KEY>
<KEY name="timecreated">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timemodified">
    <VALUE>int</VALUE>
</KEY>
<KEY name="password">
    <VALUE>string</VALUE>
</KEY>
<KEY name="subnet">
    <VALUE>string</VALUE>
</KEY>
<KEY name="browsersecurity">
    <VALUE>string</VALUE>
</KEY>
<KEY name="delay1">
    <VALUE>int</VALUE>
</KEY>
<KEY name="delay2">
    <VALUE>int</VALUE>
</KEY>
<KEY name="showuserpicture">
    <VALUE>int</VALUE>
</KEY>
```


?

```
                    <KEY name="showblocks">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completionattemptsexhausted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="completionpass">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="allowofflineattempts">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="autosaveperiod">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasfeedback">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasquestions">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_reopen_attempt_confirmation

Verify it is OK to re-open a given quiz attempt, and if so, return a suitable confirmation message.

Arguments

attemptid (Required) ?

The id of the attempt to reopen

```
General structure

int   //The id of the attempt to reopen
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

Response

Confirmation to show the user before the attempt is reopened.

```
General structure

string   //Confirmation to show the user before the attempt is reopened.
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_quiz_get_user_attempts

Return a list of attempts for the given quiz and user.

Arguments

quizid (Required)

quiz instance id

?

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

userid (Default to "0")

user id, empty for current user

```
General structure

int  Default to "0" //user id, empty for current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

status (Default to "finished")

quiz status: all, finished or unfinished

```
General structure

string  Default to "finished" //quiz status: all, finished or unfinished
```

```
XML-RPC (PHP structure)

[status] => string
```

```
REST (POST parameters)

status= string
```

includepreviews (Default to "")

whether to include previews or not

```
General structure

int  Default to "" //whether to include previews or not
```

```
XML-RPC (PHP structure)

[includepreviews] => int
```

```
REST (POST parameters)

includepreviews= int
```

Response

?

General structure

```
object {
attempts list of (
object {
id int  Optional //Attempt id.
quiz int  Optional //Foreign key reference to the quiz that was attempted.
userid int  Optional //Foreign key reference to the user whose attempt this is.
attempt int  Optional //Sequentially numbers this students attempts at this quiz.
uniqueid int  Optional //Foreign key reference to the question_usage that holds the
                                                    details of the the question_attempts that make up this quiz
                                                    attempt.
layout string  Optional //Attempt layout.
currentpage int  Optional //Attempt current page.
preview int  Optional //Whether is a preview attempt or not.
state string  Optional //The current state of the attempts. 'inprogress',
                                                 'overdue', 'finished' or 'abandoned'.
timestart int  Optional //Time when the attempt was started.
timefinish int  Optional //Time when the attempt was submitted.
                                                    0 if the attempt has not been submitted yet.
timemodified int  Optional //Last modified time.
timemodifiedoffline int  Optional //Last modified time via webservices.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                        state changes.  NULL means never check.
sumgrades double  Optional //Total marks for this attempt.
gradednotificationsenttime int  Optional //Time when the student was notified that manual grading of their attempt was complete.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [attempts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [quiz] => int
                    [userid] => int
                    [attempt] => int
                    [uniqueid] => int
                    [layout] => string
                    [currentpage] => int
                    [preview] => int
                    [state] => string
                    [timestart] => int
                    [timefinish] => int
                    [timemodified] => int
                    [timemodifiedoffline] => int
                    [timecheckstate] => int
                    [sumgrades] => double
                    [gradednotificationsenttime] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attempts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="quiz">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attempt">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="uniqueid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="layout">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="currentpage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="preview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timestart">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timefinish">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodifiedoffline">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecheckstate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sumgrades">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradednotificationsenttime">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_get_user_best_grade

Get the best current grade for the given user on a quiz.

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

userid (Default to "0")

user id

```
General structure

int  Default to "0" //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

General structure

```
object {
hasgrade int   //Whether the user has a grade on the given quiz.
grade double  Optional //The grade (only if the user has a grade).
gradetopass double  Optional //The grade to pass the quiz (only if set).
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [hasgrade] => int
    [grade] => double
    [gradetopass] => double
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="hasgrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="gradetopass">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_process_attempt

Process responses during an attempt at a quiz and also deals with attempts finishing.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

data (Default to "Array ( ) ")

the data to be saved

```
General structure

 Default to "Array
(
)
" //the data to be saved
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

?

```
REST (POST parameters)

data[0][name]= string
data[0][value]= string
```

finishattempt (Default to "")

whether to finish or not the attempt

```
General structure

int  Default to "" //whether to finish or not the attempt
```

```
XML-RPC (PHP structure)

[finishattempt] => int
```

```
REST (POST parameters)

finishattempt= int
```

timeup (Default to "")

whether the WS was called by a timer when the time is up

```
General structure

int  Default to "" //whether the WS was called by a timer when the time is up
```

```
XML-RPC (PHP structure)

[timeup] => int
```

```
REST (POST parameters)

timeup= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

?

Response

```
General structure

object {
state string   //state: the new attempt state:
                                                                                    inprogress, finished, overdue, abandoned
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [state] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="state">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_reopen_attempt

Re-open an attempt that is currently in the never submitted state.

Arguments

attemptid (Required)

The id of the attempt to reopen

```
General structure

int   //The id of the attempt to reopen
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_quiz_save_attempt

?

Processes save requests during the quiz. This function is intended for the quiz auto-save feature.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

data (Required)

the data to be saved

```
General structure

  //the data to be saved
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

data[0][name]= string
data[0][value]= string
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

?

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_set_question_version

Set the version of question that would be required for a given quiz.

Arguments

slotid (Required)

```
General structure

int
```

```
XML-RPC (PHP structure)

[slotid] => int
```

```
REST (POST parameters)

slotid= int
```

?

newversion (Required)

```
General structure

int
```

```
XML-RPC (PHP structure)

[newversion] => int
```

```
REST (POST parameters)

newversion= int
```

Response

```
General structure

object {
result int }
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_quiz_start_attempt

Starts a new attempt at a quiz.

?

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

forcenew (Default to "")

Whether to force a new attempt or not.

```
General structure

int  Default to "" //Whether to force a new attempt or not.
```

```
XML-RPC (PHP structure)

[forcenew] => int
```

```
REST (POST parameters)

forcenew= int
```

?

Response

General structure

```
object {
attempt object {
id int  Optional //Attempt id.
quiz int  Optional //Foreign key reference to the quiz that was attempted.
userid int  Optional //Foreign key reference to the user whose attempt this is.
attempt int  Optional //Sequentially numbers this students attempts at this quiz.
uniqueid int  Optional //Foreign key reference to the question_usage that holds the
                                                    details of the the question_attempts that make up this quiz
                                                    attempt.
layout string  Optional //Attempt layout.
currentpage int  Optional //Attempt current page.
preview int  Optional //Whether is a preview attempt or not.
state string  Optional //The current state of the attempts. 'inprogress',
                                                 'overdue', 'finished' or 'abandoned'.
timestart int  Optional //Time when the attempt was started.
timefinish int  Optional //Time when the attempt was submitted.
                                                    0 if the attempt has not been submitted yet.
timemodified int  Optional //Last modified time.
timemodifiedoffline int  Optional //Last modified time via webservices.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                         state changes.  NULL means never check.
sumgrades double  Optional //Total marks for this attempt.
gradednotificationsenttime int  Optional //Time when the student was notified that manual grading of their attempt was complete.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [attempt] =>
        Array
            (
            [id] => int
            [quiz] => int
            [userid] => int
            [attempt] => int
            [uniqueid] => int
            [layout] => string
            [currentpage] => int
            [preview] => int
            [state] => string
            [timestart] => int
            [timefinish] => int
            [timemodified] => int
            [timemodifiedoffline] => int
            [timecheckstate] => int
            [sumgrades] => double
            [gradednotificationsenttime] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attempt">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="quiz">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attempt">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="uniqueid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="layout">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="currentpage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="preview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="state">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timestart">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timefinish">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodifiedoffline">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradednotificationsenttime">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_update_filter_condition

Update filter condition for a random question slot.

Arguments

cmid (Required)

The cmid of the quiz

```
General structure

int   //The cmid of the quiz
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

slotid (Required)

The quiz slot ID for the random question.

```
General structure

int   //The quiz slot ID for the random question.
```

```
XML-RPC (PHP structure)

[slotid] => int
```

```
REST (POST parameters)

slotid= int
```

filtercondition (Required)

Filter condition

```
General structure

string   //Filter condition
```

```
XML-RPC (PHP structure)

[filtercondition] => string
```

?

```
REST (POST parameters)

filtercondition= string
```

Response

```
General structure

object {
message string  Optional //Message
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [message] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="message">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

mod_quiz_view_attempt

Trigger the attempt viewed event.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

?

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

page (Required)

page number

```
General structure

int   //page number
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

Response

?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_quiz_view_attempt_review

Trigger the attempt reviewed event.

Arguments
attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

```
REST (POST parameters)

attemptid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_view_attempt_summary

Trigger the attempt summary viewed event.

Arguments

attemptid (Required)

attempt id

```
General structure

int   //attempt id
```

```
XML-RPC (PHP structure)

[attemptid] => int
```

?

```
REST (POST parameters)

attemptid= int
```

preflightdata (Default to "Array ( ) ")

Preflight required data (like passwords)

```
General structure

 Default to "Array
(
)
" //Preflight required data (like passwords)
list of (
object {
name string   //data name
value string   //data value
}
)
```

```
XML-RPC (PHP structure)

[preflightdata] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

preflightdata[0][name]= string
preflightdata[0][value]= string
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_quiz_view_quiz

Trigger the course module viewed event and update the module completion status.

?

Arguments

quizid (Required)

quiz instance id

```
General structure

int   //quiz instance id
```

```
XML-RPC (PHP structure)

[quizid] => int
```

```
REST (POST parameters)

quizid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_resource_get_resources_by_courses

Returns a list of files in a provided list of courses, if no list is provided all files that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

?

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

```
General structure

object {
resources list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
contentfiles   //Files in the content
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)tobemigrated int   //Whether this resource was migrated
legacyfiles int   //Legacy files flag
legacyfileslast int   //Legacy files last control flag
display int   //How to display the resource
displayoptions string   //Display options (width, height)
filterfiles int   //If filters should be applied to the resource content
revision int   //Incremented when after each file changes, to avoid cache
timemodified int   //Last time the resource was modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [resources] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [contentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [tobemigrated] => int
                    [legacyfiles] => int
                    [legacyfileslast] => int
                    [display] => int
                    [displayoptions] => string
                    [filterfiles] => int
                    [revision] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="resources">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contentfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="tobemigrated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="legacyfiles">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="legacyfileslast">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="display">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="displayoptions">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filterfiles">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="revision">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_resource_view_resource

Simulate the view.php web interface resource: trigger events, completion, etc...

Arguments

resourceid (Required)

resource instance id

```
General structure

int   //resource instance id
```

```
XML-RPC (PHP structure)

[resourceid] => int
```

```
REST (POST parameters)

resourceid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_get_scorm_access_information

Return capabilities information for a given scorm.

Arguments

scormid (Required)

scorm instance id.

```
General structure

int   //scorm instance id.
```

```
XML-RPC (PHP structure)

[scormid] => int
```

?

```
REST (POST parameters)

scormid= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)canaddinstance int  Optional //Whether the user has the capability mod/scorm:addinstance allowed.
canviewreport int  Optional //Whether the user has the capability mod/scorm:viewreport allowed.
canskipview int  Optional //Whether the user has the capability mod/scorm:skipview allowed.
cansavetrack int  Optional //Whether the user has the capability mod/scorm:savetrack allowed.
canviewscores int  Optional //Whether the user has the capability mod/scorm:viewscores allowed.
candeleteresponses int  Optional //Whether the user has the capability mod/scorm:deleteresponses allowed.
candeleteownresponses int  Optional //Whether the user has the capability mod/scorm:deleteownresponses allowed.
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        [canaddinstance] => int
        [canviewreport] => int
        [canskipview] => int
        [cansavetrack] => int
        [canviewscores] => int
        [candeleteresponses] => int
        [candeleteownresponses] => int
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canaddinstance">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewreport">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canskipview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cansavetrack">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewscores">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeleteresponses">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeleteownresponses">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_get_scorm_attempt_count

Return the number of attempts done by a user in the given SCORM.

Arguments

?

scormid (Required)

SCORM instance id

```
General structure

int   //SCORM instance id
```

```
XML-RPC (PHP structure)

[scormid] => int
```

```
REST (POST parameters)

scormid= int
```

userid (Required)

User id

```
General structure

int   //User id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

ignoremissingcompletion (Default to "")

Ignores attempts that haven't reported a grade/completion

```
General structure

int  Default to "" //Ignores attempts that haven't reported a grade/completion
```

```
XML-RPC (PHP structure)

[ignoremissingcompletion] => int
```

```
REST (POST parameters)

ignoremissingcompletion= int
```

Response

```
General structure

object {
attemptscount int   //Attempts count
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [attemptscount] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="attemptscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_get_scorm_sco_tracks

Retrieves SCO tracking data for the given user id and attempt number

?

Arguments

scoid (Required)

sco id

```
General structure

int   //sco id
```

```
XML-RPC (PHP structure)

[scoid] => int
```

```
REST (POST parameters)

scoid= int
```

userid (Required)

user id

```
General structure

int   //user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

attempt (Default to "0")

attempt number (0 for last attempt)

```
General structure

int  Default to "0" //attempt number (0 for last attempt)
```

```
XML-RPC (PHP structure)

[attempt] => int
```

```
REST (POST parameters)

attempt= int
```

Response

?

General structure

```
object {
data   //SCO data
object {
attempt int   //Attempt number
tracks list of (
  //Tracks data
object {
element string   //Element name
value string   //Element value
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [data] =>
        Array
            (
            [attempt] => int
            [tracks] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [element] => string
                            [value] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <SINGLE>
                <KEY name="attempt">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="tracks">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="element">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="value">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_get_scorm_scoes

Returns a list containing all the scoes data related to the given scorm id

Arguments

scormid (Required) ?

scorm instance id

```
General structure

int   //scorm instance id
```

```
XML-RPC (PHP structure)

[scormid] => int
```

```
REST (POST parameters)

scormid= int
```

organization (Default to "")

organization id

```
General structure

string  Default to "" //organization id
```

```
XML-RPC (PHP structure)

[organization] => string
```

```
REST (POST parameters)

organization= string
```

Response

```
General structure

object {
scoes list of (
  //SCORM SCO data
object {
id int   //sco id
scorm int   //scorm id
manifest string   //manifest id
organization string   //organization id
parent string   //parent
identifier string   //identifier
launch string   //launch file
scormtype string   //scorm type (asset, sco)
title string   //sco title
sortorder int   //sort order
extradata  Optional //Additional SCO data
list of (
object {
element string   //element name
value string   //element value
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [scoes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [scorm] => int
                    [manifest] => string
                    [organization] => string
                    [parent] => string
                    [identifier] => string
                    [launch] => string
                    [scormtype] => string
                    [title] => string
                    [sortorder] => int
                    [extradata] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [element] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="scoes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scorm">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="manifest">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="organization">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="parent">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="identifier">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="launch">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scormtype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="extradata">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="element">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_get_scorm_user_data

Retrieves user tracking and SCO data and default SCORM values

Arguments

scormid (Required)

scorm instance id

```
General structure

int   //scorm instance id
```

```
XML-RPC (PHP structure)

[scormid] => int
```

```
REST (POST parameters)

scormid= int
```

attempt (Required)

attempt number

```
General structure

int   //attempt number
```

```
XML-RPC (PHP structure)

[attempt] => int
```

```
REST (POST parameters)

attempt= int
```

Response

?

General structure

```
object {
data list of (
  //SCO data
object {
scoid int   //sco id
userdata list of (
object {
element string   //element name
value string   //element value
}
)defaultdata list of (
object {
element string   //element name
value string   //element value
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
Array
    (
    [data] =>
        Array
            (
            [0] =>
                Array
                    (
                    [scoid] => int
                    [userdata] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [element] => string
                                    [value] => string
                                    )
                            )
                    [defaultdata] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [element] => string
                                    [value] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="data">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="scoid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userdata">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="element">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="defaultdata">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="element">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_scorm_get_scorms_by_courses

Returns a list of scorm instances in a provided set of courses, if no courses are provided then all the scorm instances the user has access to will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
scorms list of (
  //SCORM
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
packagesize int  Optional //SCORM zip package size
packageurl string  Optional //SCORM zip package URL
version string  Optional //SCORM version (SCORM_12, SCORM_13, SCORM_AICC)
maxgrade int  Optional //Max grade
grademethod int  Optional //Grade method
whatgrade int  Optional //What grade
maxattempt int  Optional //Maximum number of attemtps
forcecompleted int  Optional //Status current attempt is forced to "completed"
forcenewattempt int  Optional //Controls re-entry behaviour
lastattemptlock int  Optional //Prevents to launch new attempts once finished
displayattemptstatus int  Optional //How to display attempt status
displaycoursestructure int  Optional //Display contents structure
sha1hash string  Optional //Package content or ext path hash
md5hash string  Optional //MD5 Hash of package file
revision int  Optional //Revison number
launch int  Optional //First content to launch
skipview int  Optional //How to skip the content structure page
hidebrowse int  Optional //Disable preview mode?
hidetoc int  Optional //How to display the SCORM structure in player
nav int  Optional //Show navigation buttons
navpositionleft int  Optional //Navigation position left
navpositiontop int  Optional //Navigation position top
auto int  Optional //Auto continue?
popup int  Optional //Display in current or new window
width int  Optional //Frame width
height int  Optional //Frame height
timeopen int  Optional //Available from
timeclose int  Optional //Available to
scormtype string  Optional //SCORM type
reference string  Optional //Reference to the package
protectpackagedownloads int  Optional //Protect package downloads?
updatefreq int  Optional //Auto-update frequency for remote packages
options string  Optional //Additional options
completionstatusrequired int  Optional //Status passed/completed required?
completionscorerequired int  Optional //Minimum score required
completionstatusallscos int  Optional //Require all scos to return completion status
autocommit int  Optional //Save track data automatically?
timemodified int  Optional //Time of last modification
}
)options  Optional //Global SCORM options
list of (
object {
name string   //Options name
value string   //Option value
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

?

XML-RPC (PHP structure)

```
Array
    (
    [scorms] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [packagesize] => int
                    [packageurl] => string
                    [version] => string
                    [maxgrade] => int
                    [grademethod] => int
                    [whatgrade] => int
                    [maxattempt] => int
                    [forcecompleted] => int
                    [forcenewattempt] => int
                    [lastattemptlock] => int
                    [displayattemptstatus] => int
                    [displaycoursestructure] => int
                    [sha1hash] => string
                    [md5hash] => string
                    [revision] => int
                    [launch] => int
                    [skipview] => int
                    [hidebrowse] => int
                    [hidetoc] => int
                    [nav] => int
                    [navpositionleft] => int
                    [navpositiontop] => int
                    [auto] => int
                    [popup] => int
                    [width] => int
                    [height] => int
                    [timeopen] => int
                    [timeclose] => int
                    [scormtype] => string
                    [reference] => string
                    [protectpackagedownloads] => int
                    [updatefreq] => int
                    [options] => string
                    [completionstatusrequired] => int
                    [completionscorerequired] => int
                    [completionstatusallscos] => int
                    [autocommit] => int
                    [timemodified] => int
                    )
            )
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
```

?

```
                    [value] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="scorms">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="packagesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="packageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="version">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxgrade">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grademethod">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="whatgrade">
    <VALUE>int</VALUE>
</KEY>
<KEY name="maxattempt">
    <VALUE>int</VALUE>
</KEY>
<KEY name="forcecompleted">
    <VALUE>int</VALUE>
</KEY>
<KEY name="forcenewattempt">
    <VALUE>int</VALUE>
</KEY>
<KEY name="lastattemptlock">
    <VALUE>int</VALUE>
</KEY>
<KEY name="displayattemptstatus">
    <VALUE>int</VALUE>
</KEY>
<KEY name="displaycoursestructure">
    <VALUE>int</VALUE>
</KEY>
<KEY name="sha1hash">
    <VALUE>string</VALUE>
</KEY>
<KEY name="md5hash">
    <VALUE>string</VALUE>
</KEY>
<KEY name="revision">
    <VALUE>int</VALUE>
</KEY>
<KEY name="launch">
    <VALUE>int</VALUE>
</KEY>
<KEY name="skipview">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hidebrowse">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hidetoc">
    <VALUE>int</VALUE>
</KEY>
<KEY name="nav">
    <VALUE>int</VALUE>
</KEY>
<KEY name="navpositionleft">
    <VALUE>int</VALUE>
</KEY>
<KEY name="navpositiontop">
    <VALUE>int</VALUE>
</KEY>
<KEY name="auto">
    <VALUE>int</VALUE>
</KEY>
<KEY name="popup">
    <VALUE>int</VALUE>
</KEY>
<KEY name="width">
    <VALUE>int</VALUE>
</KEY>
<KEY name="height">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timeopen">
    <VALUE>int</VALUE>
</KEY>
<KEY name="timeclose">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scormtype">
    <VALUE>string</VALUE>
</KEY>
<KEY name="reference">
    <VALUE>string</VALUE>
</KEY>
<KEY name="protectpackagedownloads">
    <VALUE>int</VALUE>
</KEY>
<KEY name="updatefreq">
    <VALUE>int</VALUE>
</KEY>
<KEY name="options">
    <VALUE>string</VALUE>
</KEY>
```


?

```
                <KEY name="completionstatusrequired">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionscorerequired">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completionstatusallscos">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="autocommit">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="options">
        <MULTIPLE>
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="value">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_insert_scorm_tracks

Saves a scorm tracking record. It will overwrite any existing tracking data for this attempt. Validation should be performed before running the function to ensure the user will not lose any existing attempt data. ?

Arguments

scoid (Required)

SCO id

```
General structure

int   //SCO id
```

```
XML-RPC (PHP structure)

[scoid] => int
```

```
REST (POST parameters)

scoid= int
```

attempt (Required)

attempt number

```
General structure

int   //attempt number
```

```
XML-RPC (PHP structure)

[attempt] => int
```

```
REST (POST parameters)

attempt= int
```

tracks (Required)

```
General structure

list of (
object {
element string   //element name
value string   //element value
}
)
```

```
XML-RPC (PHP structure)

[tracks] =>
    Array
        (
        [0] =>
            Array
                (
                [element] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

tracks[0][element]= string
tracks[0][value]= string
```

Response

?

General structure

```
object {
trackids list of (
int   //track id
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [trackids] =>
            Array
                (
                [0] => int
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="trackids">
            <MULTIPLE>
                <VALUE>int</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_scorm_launch_sco

Trigger the SCO launched event.

Arguments

scormid (Required)

SCORM instance id

```
General structure

int   //SCORM instance id
```

```
XML-RPC (PHP structure)

[scormid] => int
```

```
REST (POST parameters)

scormid= int
```

scoid (Default to "0")

SCO id (empty for launching the first SCO)

```
General structure

int  Default to "0" //SCO id (empty for launching the first SCO)
```

```
XML-RPC (PHP structure)

[scoid] => int
```

```
REST (POST parameters)

scoid= int
```

Response

?

General structure

```
object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_scorm_view_scorm

Trigger the course module viewed event.

Arguments
scormid (Required)

scorm instance id

```
General structure

int   //scorm instance id
```

```
XML-RPC (PHP structure)

[scormid] => int
```

```
REST (POST parameters)

scormid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_survey_get_questions

Get the complete list of questions for the survey, including subquestions.

Arguments

surveyid (Required)

survey instance id

```
General structure

int   //survey instance id
```

```
XML-RPC (PHP structure)

[surveyid] => int
```

?

```
REST (POST parameters)

surveyid= int
```

Response

```
General structure

object {
questions list of (
  //Questions
object {
id int   //Question id
text string   //Question text
shorttext string   //Question short text
multi string   //Subquestions ids
intro string   //The question intro
type int   //Question type
options string   //Question options
parent int   //Parent question (for subquestions)
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [questions] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [text] => string
                        [shorttext] => string
                        [multi] => string
                        [intro] => string
                        [type] => int
                        [options] => string
                        [parent] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="questions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shorttext">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="multi">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="type">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="options">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="parent">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_survey_get_surveys_by_courses

Returns a list of survey instances in a provided set of courses, if no courses are provided then all the survey instances the user has access to will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
surveys list of (
  //Surveys
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //Activity introduction
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
template int  Optional //Survey type
days int  Optional //Days
questions string  Optional //Question ids
surveydone int  Optional //Did I finish the survey?
timecreated int  Optional //Time of creation
timemodified int  Optional //Time of last modification
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [surveys] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [template] => int
                    [days] => int
                    [questions] => string
                    [surveydone] => int
                    [timecreated] => int
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="surveys">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="template">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="days">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="questions">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="surveydone">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_survey_submit_answers

Submit the answers for a given survey.

Arguments

surveyid (Required)

Survey id

General structure

```
int   //Survey id
```

XML-RPC (PHP structure)

```
[surveyid] => int
```

REST (POST parameters)

```
surveyid= int
```

?

answers (Required)

```
General structure

list of (
object {
key string   //Answer key
value string   //Answer value
}
)
```

```
XML-RPC (PHP structure)

[answers] =>
    Array
        (
        [0] =>
            Array
                (
                [key] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

answers[0][key]= string
answers[0][value]= string
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_survey_view_survey

Trigger the course module viewed event and update the module completion status.

Arguments

surveyid (Required)

survey instance id

```
General structure

int   //survey instance id
```

```
XML-RPC (PHP structure)

[surveyid] => int
```

?

```
REST (POST parameters)

surveyid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_url_get_urls_by_courses

Returns a list of urls in a provided list of courses, if no list is provided all urls that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
urls list of (
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string   //Activity introduction
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
externalurl string   //External URL
display int   //How to display the url
displayoptions string   //Display options (width, height)
parameters string   //Parameters to append to the URL
timemodified int   //Last time the url was modified
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [urls] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [externalurl] => string
                    [display] => int
                    [displayoptions] => string
                    [parameters] => string
                    [timemodified] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="urls">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="externalurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="display">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="displayoptions">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="parameters">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_url_view_url

Trigger the course module viewed event and update the module completion status.

Arguments

urlid (Required)

url instance id

```
General structure

int   //url instance id
```

```
XML-RPC (PHP structure)

[urlid] => int
```

```
REST (POST parameters)

urlid= int
```

?

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_wiki_edit_page

Save the contents of a page.

Arguments
pageid (Required)

Page ID.

```
General structure

int   //Page ID.
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

content (Required)

Page contents.

```
General structure

string   //Page contents.
```

```
XML-RPC (PHP structure)

[content] => string
```

```
REST (POST parameters)

content= string
```

section (Default to "null")

Section page title.

```
General structure

string  Default to "null" //Section page title.
```

```
XML-RPC (PHP structure)

[section] => string
```

```
REST (POST parameters)

section= string
```

?

Response

General structure

```
object {
pageid int   //Edited page id.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [pageid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_wiki_get_page_contents

Returns the contents of a page.

Arguments
pageid (Required)

Page ID.

```
General structure

int   //Page ID.
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

Response

```
General structure

object {
page   //Page
object {
id int   //Page ID.
wikiid int   //Page's wiki ID.
subwikiid int   //Page's subwiki ID.
groupid int   //Page's group ID.
userid int   //Page's user ID.
title string   //Page title.
cachedcontent string   //Page contents.
contentformat int  Optional //cachedcontent format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
caneditpage int   //True if user can edit the page.
version int  Optional //Latest version of the page.
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [page] =>
        Array
            (
            [id] => int
            [wikiid] => int
            [subwikiid] => int
            [groupid] => int
            [userid] => int
            [title] => string
            [cachedcontent] => string
            [contentformat] => int
            [caneditpage] => int
            [version] => int
            [tags] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [rawname] => string
                            [isstandard] => int
                            [tagcollid] => int
                            [taginstanceid] => int
                            [taginstancecontextid] => int
                            [itemid] => int
                            [ordering] => int
                            [flag] => int
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="page">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="wikiid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="subwikiid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="groupid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="title">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="cachedcontent">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contentformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="caneditpage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="version">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="tags">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="rawname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isstandard">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="tagcollid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="taginstanceid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="taginstancecontextid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="itemid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="ordering">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="flag">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_get_page_for_editing

Locks and retrieves info of page-section to be edited.

Arguments

pageid (Required)

Page ID to edit.

```
General structure

int   //Page ID to edit.
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

section (Default to "null")

Section page title.

```
General structure

string  Default to "null" //Section page title.
```

```
XML-RPC (PHP structure)

[section] => string
```

?

```
REST (POST parameters)

section= string
```

lockonly (Default to "")

Just renew lock and not return content.

```
General structure

int  Default to "" //Just renew lock and not return content.
```

```
XML-RPC (PHP structure)

[lockonly] => int
```

```
REST (POST parameters)

lockonly= int
```

Response

```
General structure

object {
pagesection object {
content string  Optional //The contents of the page-section to be edited.
contentformat string  Optional //Format of the original content of the page.
version int   //Latest version of the page.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [pagesection] =>
            Array
                (
                [content] => string
                [contentformat] => string
                [version] => int
                [warnings] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [item] => string
                                [itemid] => int
                                [warningcode] => string
                                [message] => string
                                )
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pagesection">
            <SINGLE>
                <KEY name="content">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contentformat">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="version">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warnings">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="item">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="itemid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="warningcode">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="message">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_get_subwiki_files

Returns the list of files for a specific subwiki.

Arguments

wikiid (Required)

Wiki instance ID.

General structure

```
int   //Wiki instance ID.
```

?

```
XML-RPC (PHP structure)

[wikiid] => int
```

```
REST (POST parameters)

wikiid= int
```

groupid (Default to "-1")

Subwiki's group ID, -1 means current group. It will be ignored if the wiki doesn't use groups.

```
General structure

int  Default to "-1" //Subwiki's group ID, -1 means current group. It will be ignored if the wiki doesn't use groups.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

userid (Default to "0")

Subwiki's user ID, 0 means current user. It will be ignored in collaborative wikis.

```
General structure

int  Default to "0" //Subwiki's user ID, 0 means current user. It will be ignored in collaborative wikis.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
files   //Files
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [files] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="files">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

mod_wiki_get_subwiki_pages

Returns the list of pages for a specific subwiki.

Arguments

wikiid (Required)

Wiki instance ID.

```
General structure

int   //Wiki instance ID.
```

```
XML-RPC (PHP structure)

[wikiid] => int
```

```
REST (POST parameters)

wikiid= int
```

groupid (Default to "-1")

Subwiki's group ID, -1 means current group. It will be ignored if the wiki doesn't use groups.

```
General structure

int  Default to "-1" //Subwiki's group ID, -1 means current group. It will be ignored if the wiki doesn't use groups.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

userid (Default to "0")

Subwiki's user ID, 0 means current user. It will be ignored in collaborative wikis.

```
General structure

int  Default to "0" //Subwiki's user ID, 0 means current user. It will be ignored in collaborative wikis.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

options (Default to "Array ( ) ")

Options

?

```
General structure

 Default to "Array
(
)
" //Options
object {
sortby string  Default to "title" //Field to sort by (id, title, ...).
sortdirection string  Default to "ASC" //Sort direction: ASC or DESC.
includecontent int  Default to "1" //Include each page contents or just the contents size.
}
```

```
XML-RPC (PHP structure)

[options] =>
    Array
        (
        [sortby] => string
        [sortdirection] => string
        [includecontent] => int
        )
```

```
REST (POST parameters)

options[sortby]= string
options[sortdirection]= string
options[includecontent]= int
```

Response

```
General structure

object {
pages list of (
  //Pages
object {
id int   //Page ID.
subwikiid int   //Page's subwiki ID.
title string   //Page title.
timecreated int   //Time of creation.
timemodified int   //Time of last modification.
timerendered int   //Time of last renderization.
userid int   //ID of the user that last modified the page.
pageviews int   //Number of times the page has been viewed.
readonly int   //1 if readonly, 0 otherwise.
caneditpage int   //True if user can edit the page.
firstpage int   //True if it's the first page.
cachedcontent string  Optional //Page contents.
contentformat int  Optional //cachedcontent format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
contentsize int  Optional //Size of page contents in bytes (doesn't include size of attached files).
tags  Optional //Tags
list of (
object {
id int   //Tag id.
name string   //Tag name.
rawname string   //The raw, unnormalised name for the tag as entered by users.
isstandard int   //Whether this tag is standard.
tagcollid int   //Tag collection id.
taginstanceid int   //Tag instance id.
taginstancecontextid int   //Context the tag instance belongs to.
itemid int   //Id of the record tagged.
ordering int   //Tag ordering.
flag int   //Whether the tag is flagged as inappropriate.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [pages] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [subwikiid] => int
                    [title] => string
                    [timecreated] => int
                    [timemodified] => int
                    [timerendered] => int
                    [userid] => int
                    [pageviews] => int
                    [readonly] => int
                    [caneditpage] => int
                    [firstpage] => int
                    [cachedcontent] => string
                    [contentformat] => int
                    [contentsize] => int
                    [tags] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [rawname] => string
                                    [isstandard] => int
                                    [tagcollid] => int
                                    [taginstanceid] => int
                                    [taginstancecontextid] => int
                                    [itemid] => int
                                    [ordering] => int
                                    [flag] => int
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pages">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="subwikiid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timerendered">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pageviews">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="readonly">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="caneditpage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="firstpage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="cachedcontent">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contentformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contentsize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="tags">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="rawname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isstandard">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="tagcollid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="taginstanceid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="taginstancecontextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="itemid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="ordering">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="flag">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
```


?

```
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_get_subwikis

Returns the list of subwikis the user can see in a specific wiki.

Arguments

wikiid (Required)

Wiki instance ID.

```
General structure

int   //Wiki instance ID.
```

```
XML-RPC (PHP structure)

[wikiid] => int
```

```
REST (POST parameters)

wikiid= int
```

?

Response

```
General structure

object {
subwikis list of (
  //Subwikis
object {
id int   //Subwiki ID.
wikiid int   //Wiki ID.
groupid string   //Group ID.
userid int   //User ID.
canedit int   //True if user can edit the subwiki.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [subwikis] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [wikiid] => int
                        [groupid] => string
                        [userid] => int
                        [canedit] => int
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="subwikis">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="wikiid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canedit">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_get_wikis_by_courses

Returns a list of wiki instances in a provided set of courses, if no courses are provided then all the wiki instances the user has access to will be returned.

?

Arguments

courseids (Default to "Array ( ) ")

Array of course ids.

```
General structure

 Default to "Array
(
)
" //Array of course ids.
list of (
int   //Course ID
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

Response

?

```
General structure

object {
wikis list of (
  //Wikis
object {
id int   //Activity instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //Activity introduction
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
introfiles  Optional //Files in the introduction
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group id
lang string  Optional //Forced activity language
timecreated int  Optional //Time of creation.
timemodified int  Optional //Time of last modification.
firstpagetitle string  Optional //First page title.
wikimode string  Optional //Wiki mode (individual, collaborative).
defaultformat string  Optional //Wiki's default format (html, creole, nwiki).
forceformat int  Optional //1 if format is forced, 0 otherwise.
editbegin int  Optional //Edit begin.
editend int  Optional //Edit end.
cancreatepages int   //True if user can create pages.
}
)warnings  Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [wikis] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [lang] => string
                    [timecreated] => int
                    [timemodified] => int
                    [firstpagetitle] => string
                    [wikimode] => string
                    [defaultformat] => string
                    [forceformat] => int
                    [editbegin] => int
                    [editend] => int
                    [cancreatepages] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="wikis">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursemodule">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="introfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="section">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupmode">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="groupingid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="firstpagetitle">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="wikimode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="defaultformat">
                        <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="forceformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="editbegin">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="editend">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="cancreatepages">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_new_page

Create a new page in a subwiki.

Arguments

title (Required)

New page title.

```
General structure

string   //New page title.
```

?

```
XML-RPC (PHP structure)

[title] => string
```

```
REST (POST parameters)

title= string
```

content (Required)

Page contents.

```
General structure

string   //Page contents.
```

```
XML-RPC (PHP structure)

[content] => string
```

```
REST (POST parameters)

content= string
```

contentformat (Default to "null")

Page contents format. If an invalid format is provided, default wiki format is used.

```
General structure

string  Default to "null" //Page contents format. If an invalid format is provided, default
                    wiki format is used.
```

```
XML-RPC (PHP structure)

[contentformat] => string
```

```
REST (POST parameters)

contentformat= string
```

subwikiid (Default to "null")

Page's subwiki ID.

```
General structure

int  Default to "null" //Page's subwiki ID.
```

```
XML-RPC (PHP structure)

[subwikiid] => int
```

```
REST (POST parameters)

subwikiid= int
```

wikiid (Default to "null")

Page's wiki ID. Used if subwiki does not exists.

```
General structure

int  Default to "null" //Page's wiki ID. Used if subwiki does not exists.
```

?

```
XML-RPC (PHP structure)

[wikiid] => int
```

```
REST (POST parameters)

wikiid= int
```

userid (Default to "null")

Subwiki's user ID. Used if subwiki does not exists.

```
General structure

int  Default to "null" //Subwiki's user ID. Used if subwiki does not exists.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupid (Default to "null")

Subwiki's group ID. Used if subwiki does not exists.

```
General structure

int  Default to "null" //Subwiki's group ID. Used if subwiki does not exists.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

Response

```
General structure

object {
pageid int   //New page id.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [pageid] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="pageid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_view_page

Trigger the page viewed event and update the module completion status.

?

Arguments

pageid (Required)

Wiki page ID.

```
General structure

int   //Wiki page ID.
```

```
XML-RPC (PHP structure)

[pageid] => int
```

```
REST (POST parameters)

pageid= int
```

Response

```
General structure

object {
status int   //Status: true if success.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_wiki_view_wiki

Trigger the course module viewed event and update the module completion status.

Arguments

wikiid (Required)

Wiki instance ID.

```
General structure

int   //Wiki instance ID.
```

```
XML-RPC (PHP structure)

[wikiid] => int
```

?

```
REST (POST parameters)

wikiid= int
```

Response

```
General structure

object {
status int   //Status: true if success.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_add_submission

Add a new submission to a given workshop.

Arguments

workshopid (Required)

Workshop id

```
General structure

int   //Workshop id
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

title (Required)

Submission title

```
General structure

string   //Submission title
```

```
XML-RPC (PHP structure)

[title] => string
```

```
REST (POST parameters)

title= string
```

content (Default to "")

Submission text content

```
General structure

string  Default to "" //Submission text content
```

```
XML-RPC (PHP structure)

[content] => string
```

?

```
REST (POST parameters)

content= string
```

contentformat (Default to "0")

The format used for the content

```
General structure

int  Default to "0" //The format used for the content
```

```
XML-RPC (PHP structure)

[contentformat] => int
```

```
REST (POST parameters)

contentformat= int
```

inlineattachmentsid (Default to "0")

The draft file area id for inline attachments in the content

```
General structure

int  Default to "0" //The draft file area id for inline attachments in the content
```

```
XML-RPC (PHP structure)

[inlineattachmentsid] => int
```

```
REST (POST parameters)

inlineattachmentsid= int
```

attachmentsid (Default to "0")

The draft file area id for attachments

```
General structure

int  Default to "0" //The draft file area id for attachments
```

```
XML-RPC (PHP structure)

[attachmentsid] => int
```

```
REST (POST parameters)

attachmentsid= int
```

Response

?

General structure

```
object {
status int   //True if the submission was created false otherwise.
submissionid int  Optional //New workshop submission id.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [submissionid] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="submissionid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_delete_submission

Deletes the given submission.

Arguments

submissionid (Required)

Submission id

```
General structure

int   //Submission id
```

```
XML-RPC (PHP structure)

[submissionid] => int
```

```
REST (POST parameters)

submissionid= int
```

Response

```
General structure

object {
status int   //True if the submission was deleted.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_evaluate_assessment

Evaluates an assessment (used by teachers for provide feedback to the reviewer).

?

Arguments

assessmentid (Required)

Assessment id.

```
General structure

int   //Assessment id.
```

```
XML-RPC (PHP structure)

[assessmentid] => int
```

```
REST (POST parameters)

assessmentid= int
```

feedbacktext (Default to "")

The feedback for the reviewer.

```
General structure

string  Default to "" //The feedback for the reviewer.
```

```
XML-RPC (PHP structure)

[feedbacktext] => string
```

```
REST (POST parameters)

feedbacktext= string
```

feedbackformat (Default to "0")

The feedback format for text.

```
General structure

int  Default to "0" //The feedback format for text.
```

```
XML-RPC (PHP structure)

[feedbackformat] => int
```

```
REST (POST parameters)

feedbackformat= int
```

weight (Default to "1")

The new weight for the assessment.

```
General structure

int  Default to "1" //The new weight for the assessment.
```

```
XML-RPC (PHP structure)

[weight] => int
```

```
REST (POST parameters)

weight= int
```

?

gradinggradeover (Default to "")

The new grading grade.

```
General structure

string  Default to "" //The new grading grade.
```

```
XML-RPC (PHP structure)

[gradinggradeover] => string
```

```
REST (POST parameters)

gradinggradeover= string
```

Response

```
General structure

object {
status int   //status: true if the assessment was evaluated, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_evaluate_submission

Evaluates a submission (used by teachers for provide feedback or override the submission grade).

Arguments

submissionid (Required)

submission id.

```
General structure

int   //submission id.
```

```
XML-RPC (PHP structure)

[submissionid] => int
```

?

```
REST (POST parameters)

submissionid= int
```

feedbacktext (Default to "")

The feedback for the author.

```
General structure

string  Default to "" //The feedback for the author.
```

```
XML-RPC (PHP structure)

[feedbacktext] => string
```

```
REST (POST parameters)

feedbacktext= string
```

feedbackformat (Default to "0")

The feedback format for text.

```
General structure

int  Default to "0" //The feedback format for text.
```

```
XML-RPC (PHP structure)

[feedbackformat] => int
```

```
REST (POST parameters)

feedbackformat= int
```

published (Default to "")

Publish the submission for others?.

```
General structure

int  Default to "" //Publish the submission for others?.
```

```
XML-RPC (PHP structure)

[published] => int
```

```
REST (POST parameters)

published= int
```

gradeover (Default to "")

The new submission grade.

```
General structure

string  Default to "" //The new submission grade.
```

```
XML-RPC (PHP structure)

[gradeover] => string
```

?

REST (POST parameters)

```
gradeover= string
```

Response

General structure

```
object {
status int   //status: true if the submission was evaluated, false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_assessment

Retrieves the given assessment.

Arguments

assessmentid (Required)

Assessment id

General structure

```
int   //Assessment id
```

XML-RPC (PHP structure)

```
[assessmentid] => int
```

REST (POST parameters)

```
assessmentid= int
```

Response

?

```
General structure

object {
assessment object {
id int   //The primary key of the record.
submissionid int   //The id of the assessed submission
reviewerid int   //The id of the reviewer who makes this assessment
weight int   //The weight of the assessment for the purposes of aggregation
timecreated int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the first time
timemodified int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the last time
grade double   //The aggregated grade for submission suggested by the reviewer.
                    The grade 0..100 is computed from the values assigned to the assessment dimensions fields. If NULL then it has not been aggregated yet.
gradinggrade double   //The computed grade 0..100 for this assessment. If NULL then it has not been computed yet.
gradinggradeover double   //Grade for the assessment manually overridden by a teacher.
                    Grade is always from interval 0..100. If NULL then the grade is not overriden.
gradinggradeoverby int   //The id of the user who has overridden the grade for submission.
feedbackauthor string   //The comment/feedback from the reviewer for the author.
feedbackauthorformat int  Default to "1" //feedbackauthor format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackauthorattachment int   //Are there some files attached to the feedbackauthor field?
                    Sets to 1 by file_postupdate_standard_filemanager().
feedbackreviewer string  Optional //The comment/feedback from the teacher for the reviewer.
                    For example the reason why the grade for assessment was overridden
feedbackreviewerformat int  Default to "1" //feedbackreviewer format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackcontentfiles   //feedbackcontentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)feedbackattachmentfiles   //feedbackattachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assessment] =>
        Array
            (
            [id] => int
            [submissionid] => int
            [reviewerid] => int
            [weight] => int
            [timecreated] => int
            [timemodified] => int
            [grade] => double
            [gradinggrade] => double
            [gradinggradeover] => double
            [gradinggradeoverby] => int
            [feedbackauthor] => string
            [feedbackauthorformat] => int
            [feedbackauthorattachment] => int
            [feedbackreviewer] => string
            [feedbackreviewerformat] => int
            [feedbackcontentfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [feedbackattachmentfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assessment">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissionid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="reviewerid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="weight">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradinggrade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradinggradeover">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradinggradeoverby">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedbackauthor">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="feedbackauthorformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedbackauthorattachment">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedbackreviewer">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="feedbackreviewerformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedbackcontentfiles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="feedbackattachmentfiles">
                    <MULTIPLE>
                        <SINGLE>
```


?

```
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_assessment_form_definition

Retrieves the assessment form definition.

?

Arguments

assessmentid (Required)

Assessment id

```
General structure

int   //Assessment id
```

```
XML-RPC (PHP structure)

[assessmentid] => int
```

```
REST (POST parameters)

assessmentid= int
```

mode (Default to "assessment")

The form mode (assessment or preview)

```
General structure

string  Default to "assessment" //The form mode (assessment or preview)
```

```
XML-RPC (PHP structure)

[mode] => string
```

```
REST (POST parameters)

mode= string
```

Response

?

```
General structure

object {
dimenssionscount int   //The number of dimenssions used by the form.
descriptionfiles   //Files in the description text
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)options   //The form options.
list of (
object {
name string   //Option name.
value string   //Option value.
}
)fields   //The form fields.
list of (
object {
name string   //Field name.
value string   //Field default value.
}
)current   //The current field values.
list of (
object {
name string   //Field name.
value string   //Current field value.
}
)dimensionsinfo   //The dimensions general information.
list of (
object {
id int   //Dimension id.
min double   //Minimum grade for the dimension.
max double   //Maximum grade for the dimension.
weight string   //The weight of the dimension.
scale string  Optional //Scale items (if used).
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [dimenssionscount] => int
    [descriptionfiles] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [fields] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [current] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [dimensionsinfo] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [min] => double
                    [max] => double
                    [weight] => string
                    [scale] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="dimenssionscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="descriptionfiles">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="fields">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="current">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="dimensionsinfo">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="min">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="max">
                        <VALUE>double</VALUE>
```


?

```
                    </KEY>
                    <KEY name="weight">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scale">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_grades

Returns the assessment and submission grade for the given user.

Arguments

workshopid (Required)

Workshop instance id.

```
General structure

int   //Workshop instance id.
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

?

```
REST (POST parameters)

workshopid= int
```

userid (Default to "0")

User id (empty or 0 for current user).

```
General structure

int  Default to "0" //User id (empty or 0 for current user).
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
assessmentrawgrade double  Optional //The assessment raw (numeric) grade.
assessmentlongstrgrade string  Optional //The assessment string grade.
assessmentgradehidden int  Optional //Whether the grade is hidden or not.
submissionrawgrade double  Optional //The submission raw (numeric) grade.
submissionlongstrgrade string  Optional //The submission string grade.
submissiongradehidden int  Optional //Whether the grade is hidden or not.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [assessmentrawgrade] => double
        [assessmentlongstrgrade] => string
        [assessmentgradehidden] => int
        [submissionrawgrade] => double
        [submissionlongstrgrade] => string
        [submissiongradehidden] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assessmentrawgrade">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="assessmentlongstrgrade">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="assessmentgradehidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="submissionrawgrade">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="submissionlongstrgrade">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="submissiongradehidden">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_grades_report

Retrieves the assessment grades report.

Arguments

workshopid (Required)

Workshop instance id. ?

```
General structure

int   //Workshop instance id.
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group.

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

sortby (Default to "lastname")

sort by this element: lastname, firstname, submissiontitle, submissionmodified, submissiongrade, gradinggrade.

```
General structure

string  Default to "lastname" //sort by this element: lastname, firstname, submissiontitle,
                    submissionmodified, submissiongrade, gradinggrade.
```

```
XML-RPC (PHP structure)

[sortby] => string
```

```
REST (POST parameters)

sortby= string
```

sortdirection (Default to "ASC")

sort direction: ASC or DESC

```
General structure

string  Default to "ASC" //sort direction: ASC or DESC
```

```
XML-RPC (PHP structure)

[sortdirection] => string
```

```
REST (POST parameters)

sortdirection= string
```

page (Default to "0")

The page of records to return.

?

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

perpage (Default to "0")

The number of records to return per page.

```
General structure

int  Default to "0" //The number of records to return per page.
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
report object {
grades list of (
object {
userid int   //The id of the user being displayed in the report.
submissionid int   //Submission id.
submissiontitle string   //Submission title.
submissionmodified int   //Timestamp submission was updated.
submissiongrade double  Optional //Aggregated grade for the submission.
gradinggrade double  Optional //Computed grade for the assessment.
submissiongradeover double  Optional //Grade for the assessment overrided
                                       by the teacher.
submissiongradeoverby int  Optional //The id of the user who overrided
                                       the grade.
submissionpublished int  Optional //Whether is a submission published.
reviewedby  Optional //The users who reviewed the
                                       user submission.
list of (
object {
userid int   //The id of the user (0 when is configured to do not display names).
assessmentid int   //The id of the assessment.
submissionid int   //The id of the submission assessed.
grade double   //The grade for submission.
gradinggrade double   //The grade for assessment.
gradinggradeover double   //The aggregated grade overrided.
weight int   //The weight of the assessment for aggregation.
}
)reviewerof  Optional //The assessments the user
                                       reviewed.
list of (
object {
userid int   //The id of the user (0 when is configured to do not display names).
assessmentid int   //The id of the assessment.
submissionid int   //The id of the submission assessed.
grade double   //The grade for submission.
gradinggrade double   //The grade for assessment.
gradinggradeover double   //The aggregated grade overrided.
weight int   //The weight of the assessment for aggregation.
}
)}
)totalcount int   //Number of total submissions.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [report] =>
        Array
            (
            [grades] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [userid] => int
                            [submissionid] => int
                            [submissiontitle] => string
                            [submissionmodified] => int
                            [submissiongrade] => double
                            [gradinggrade] => double
                            [submissiongradeover] => double
                            [submissiongradeoverby] => int
                            [submissionpublished] => int
                            [reviewedby] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [userid] => int
                                            [assessmentid] => int
                                            [submissionid] => int
                                            [grade] => double
                                            [gradinggrade] => double
                                            [gradinggradeover] => double
                                            [weight] => int
                                            )
                                    )
                            [reviewerof] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [userid] => int
                                            [assessmentid] => int
                                            [submissionid] => int
                                            [grade] => double
                                            [gradinggrade] => double
                                            [gradinggradeover] => double
                                            [weight] => int
                                            )
                                    )
                            )
                    )
            [totalcount] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="report">
            <SINGLE>
                <KEY name="grades">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="userid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="submissionid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="submissiontitle">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="submissionmodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="submissiongrade">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="gradinggrade">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="submissiongradeover">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="submissiongradeoverby">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="submissionpublished">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="reviewedby">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="userid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="assessmentid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="submissionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="grade">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="gradinggrade">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="gradinggradeover">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="weight">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="reviewerof">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="userid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="assessmentid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="submissionid">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="grade">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="gradinggrade">
                                            <VALUE>double</VALUE>
                                        </KEY>
                                        <KEY name="gradinggradeover">
                                            <VALUE>double</VALUE>
                                        </KEY>
```


?

```
                                    <KEY name="weight">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </MULTIPLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="totalcount">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_reviewer_assessments

Retrieves all the assessments reviewed by the given user.

Arguments

workshopid (Required)

Workshop instance id.

```
General structure

int   //Workshop instance id.
```

?

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

userid (Default to "0")

User id who did the assessment review (empty or 0 for current user).

```
General structure

int  Default to "0" //User id who did the assessment review (empty or 0 for current user).
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
assessments list of (
object {
id int   //The primary key of the record.
submissionid int   //The id of the assessed submission
reviewerid int   //The id of the reviewer who makes this assessment
weight int   //The weight of the assessment for the purposes of aggregation
timecreated int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the first time
timemodified int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the last time
grade double   //The aggregated grade for submission suggested by the reviewer.
                    The grade 0..100 is computed from the values assigned to the assessment dimensions fields. If NULL then it has not been aggregated yet.
gradinggrade double   //The computed grade 0..100 for this assessment. If NULL then it has not been computed yet.
gradinggradeover double   //Grade for the assessment manually overridden by a teacher.
                    Grade is always from interval 0..100. If NULL then the grade is not overriden.
gradinggradeoverby int   //The id of the user who has overridden the grade for submission.
feedbackauthor string   //The comment/feedback from the reviewer for the author.
feedbackauthorformat int  Default to "1" //feedbackauthor format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackauthorattachment int   //Are there some files attached to the feedbackauthor field?
                    Sets to 1 by file_postupdate_standard_filemanager().
feedbackreviewer string  Optional //The comment/feedback from the teacher for the reviewer.
                    For example the reason why the grade for assessment was overridden
feedbackreviewerformat int  Default to "1" //feedbackreviewer format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackcontentfiles   //feedbackcontentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)feedbackattachmentfiles   //feedbackattachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assessments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [submissionid] => int
                    [reviewerid] => int
                    [weight] => int
                    [timecreated] => int
                    [timemodified] => int
                    [grade] => double
                    [gradinggrade] => double
                    [gradinggradeover] => double
                    [gradinggradeoverby] => int
                    [feedbackauthor] => string
                    [feedbackauthorformat] => int
                    [feedbackauthorattachment] => int
                    [feedbackreviewer] => string
                    [feedbackreviewerformat] => int
                    [feedbackcontentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [feedbackattachmentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assessments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="reviewerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="weight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggrade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggradeover">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggradeoverby">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackauthor">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackauthorformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackauthorattachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackreviewer">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackreviewerformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackcontentfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="feedbackattachmentfiles">
                        <MULTIPLE>
```


?

```
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_submission

Retrieves the given submission. ?

Arguments

submissionid (Required)

Submission id

General structure

```
int   //Submission id
```

XML-RPC (PHP structure)

```
[submissionid] => int
```

REST (POST parameters)

```
submissionid= int
```

Response

?

```
General structure

object {
submission object {
id int   //The primary key of the record.
workshopid int   //The id of the workshop instance.
example int   //Is this submission an example from teacher.
authorid int   //The author of the submission.
timecreated int   //Timestamp when the work was submitted for the first time.
timemodified int   //Timestamp when the submission has been updated.
title string   //The submission title.
content string   //Submission text.
contentformat int  Default to "1" //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
contenttrust int   //The trust mode of the data.
attachment int   //Used by File API file_postupdate_standard_filemanager.
grade double  Optional //Aggregated grade for the submission. The grade is a decimal number from interval 0..100.
                    If NULL then the grade for submission has not been aggregated yet.
gradeover double  Optional //Grade for the submission manually overridden by a teacher. Grade is always from interval 0..100.
                    If NULL then the grade is not overriden.
gradeoverby int  Optional //The id of the user who has overridden the grade for submission.
feedbackauthor string  Optional //Teacher comment/feedback for the author of the submission, for example describing the reasons
                    for the grade overriding.
feedbackauthorformat int  Default to "1" //feedbackauthor format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timegraded int  Optional //The timestamp when grade or gradeover was recently modified.
published int   //Shall the submission be available to other when the workshop is closed.
late int   //Has this submission been submitted after the deadline or during the assessment phase?
contentfiles  Optional //contentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)attachmentfiles  Optional //attachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [submission] =>
        Array
            (
            [id] => int
            [workshopid] => int
            [example] => int
            [authorid] => int
            [timecreated] => int
            [timemodified] => int
            [title] => string
            [content] => string
            [contentformat] => int
            [contenttrust] => int
            [attachment] => int
            [grade] => double
            [gradeover] => double
            [gradeoverby] => int
            [feedbackauthor] => string
            [feedbackauthorformat] => int
            [timegraded] => int
            [published] => int
            [late] => int
            [contentfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            [attachmentfiles] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [filepath] => string
                            [filesize] => int
                            [fileurl] => string
                            [timemodified] => int
                            [mimetype] => string
                            [isexternalfile] => int
                            [repositorytype] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="submission">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="workshopid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="example">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="authorid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="title">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="content">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contentformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contenttrust">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attachment">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="grade">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradeover">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="gradeoverby">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="feedbackauthor">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="feedbackauthorformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timegraded">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="published">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="late">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contentfiles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="attachmentfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes ?

Callable from AJAX

No

mod_workshop_get_submission_assessments

Retrieves all the assessments of the given submission.

Arguments

submissionid (Required)

Submission id

```
General structure

int   //Submission id
```

```
XML-RPC (PHP structure)

[submissionid] => int
```

```
REST (POST parameters)

submissionid= int
```

Response

?

```
General structure

object {
assessments list of (
object {
id int   //The primary key of the record.
submissionid int   //The id of the assessed submission
reviewerid int   //The id of the reviewer who makes this assessment
weight int   //The weight of the assessment for the purposes of aggregation
timecreated int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the first time
timemodified int   //If 0 then the assessment was allocated but the reviewer has not assessed yet.
                    If greater than 0 then the timestamp of when the reviewer assessed for the last time
grade double   //The aggregated grade for submission suggested by the reviewer.
                    The grade 0..100 is computed from the values assigned to the assessment dimensions fields. If NULL then it has not been aggregated yet.
gradinggrade double   //The computed grade 0..100 for this assessment. If NULL then it has not been computed yet.
gradinggradeover double   //Grade for the assessment manually overridden by a teacher.
                    Grade is always from interval 0..100. If NULL then the grade is not overriden.
gradinggradeoverby int   //The id of the user who has overridden the grade for submission.
feedbackauthor string   //The comment/feedback from the reviewer for the author.
feedbackauthorformat int  Default to "1" //feedbackauthor format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackauthorattachment int   //Are there some files attached to the feedbackauthor field?
                    Sets to 1 by file_postupdate_standard_filemanager().
feedbackreviewer string  Optional //The comment/feedback from the teacher for the reviewer.
                    For example the reason why the grade for assessment was overridden
feedbackreviewerformat int  Default to "1" //feedbackreviewer format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
feedbackcontentfiles   //feedbackcontentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)feedbackattachmentfiles   //feedbackattachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [assessments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [submissionid] => int
                    [reviewerid] => int
                    [weight] => int
                    [timecreated] => int
                    [timemodified] => int
                    [grade] => double
                    [gradinggrade] => double
                    [gradinggradeover] => double
                    [gradinggradeoverby] => int
                    [feedbackauthor] => string
                    [feedbackauthorformat] => int
                    [feedbackauthorattachment] => int
                    [feedbackreviewer] => string
                    [feedbackreviewerformat] => int
                    [feedbackcontentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [feedbackattachmentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="assessments">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissionid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="reviewerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="weight">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggrade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggradeover">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggradeoverby">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackauthor">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackauthorformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackauthorattachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackreviewer">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackreviewerformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackcontentfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isexternalfile">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="repositorytype">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="feedbackattachmentfiles">
                        <MULTIPLE>
```


?

```
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_submissions

Retrieves all the workshop submissions or the one done by the given user (except example submissions). ?

Arguments

workshopid (Required)

Workshop instance id.

```
General structure

int   //Workshop instance id.
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

userid (Default to "0")

Get submissions done by this user. Use 0 or empty for the current user

```
General structure

int  Default to "0" //Get submissions done by this user. Use 0 or empty for the current user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

groupid (Default to "0")

Group id, 0 means that the function will determine the user group. It will return submissions done by users in the given group.

```
General structure

int  Default to "0" //Group id, 0 means that the function will determine the user group.
                                                It will return submissions done by users in the given group.
```

```
XML-RPC (PHP structure)

[groupid] => int
```

```
REST (POST parameters)

groupid= int
```

page (Default to "0")

The page of records to return.

```
General structure

int  Default to "0" //The page of records to return.
```

```
XML-RPC (PHP structure)

[page] => int
```

```
REST (POST parameters)

page= int
```

?

perpage (Default to "0")

The number of records to return per page.

```
General structure

int  Default to "0" //The number of records to return per page.
```

```
XML-RPC (PHP structure)

[perpage] => int
```

```
REST (POST parameters)

perpage= int
```

Response

?

```
General structure

object {
submissions list of (
object {
id int   //The primary key of the record.
workshopid int   //The id of the workshop instance.
example int   //Is this submission an example from teacher.
authorid int   //The author of the submission.
timecreated int   //Timestamp when the work was submitted for the first time.
timemodified int   //Timestamp when the submission has been updated.
title string   //The submission title.
content string   //Submission text.
contentformat int  Default to "1" //content format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
contenttrust int   //The trust mode of the data.
attachment int   //Used by File API file_postupdate_standard_filemanager.
grade double  Optional //Aggregated grade for the submission. The grade is a decimal number from interval 0..100.
                    If NULL then the grade for submission has not been aggregated yet.
gradeover double  Optional //Grade for the submission manually overridden by a teacher. Grade is always from interval 0..100.
                    If NULL then the grade is not overriden.
gradeoverby int  Optional //The id of the user who has overridden the grade for submission.
feedbackauthor string  Optional //Teacher comment/feedback for the author of the submission, for example describing the reasons
                    for the grade overriding.
feedbackauthorformat int  Default to "1" //feedbackauthor format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timegraded int  Optional //The timestamp when grade or gradeover was recently modified.
published int   //Shall the submission be available to other when the workshop is closed.
late int   //Has this submission been submitted after the deadline or during the assessment phase?
contentfiles  Optional //contentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)attachmentfiles  Optional //attachmentfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)totalcount int   //Total count of submissions.
totalfilesize int   //Total size (bytes) of the files attached to all the
                    submissions (even the ones not returned due to pagination).
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [submissions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [workshopid] => int
                    [example] => int
                    [authorid] => int
                    [timecreated] => int
                    [timemodified] => int
                    [title] => string
                    [content] => string
                    [contentformat] => int
                    [contenttrust] => int
                    [attachment] => int
                    [grade] => double
                    [gradeover] => double
                    [gradeoverby] => int
                    [feedbackauthor] => string
                    [feedbackauthorformat] => int
                    [timegraded] => int
                    [published] => int
                    [late] => int
                    [contentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [attachmentfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    )
            )
    [totalcount] => int
    [totalfilesize] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="submissions">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="workshopid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="example">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="authorid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="title">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="content">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contentformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contenttrust">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradeover">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradeoverby">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="feedbackauthor">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="feedbackauthorformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timegraded">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="published">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="late">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contentfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
```


?

```
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="attachmentfiles">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isexternalfile">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="repositorytype">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="totalcount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="totalfilesize">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
No

mod_workshop_get_user_plan

Return the planner information for the given user.

Arguments
workshopid (Required)

Workshop instance id.

```
General structure

int   //Workshop instance id.
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

userid (Default to "0")

User id (empty or 0 for current user).

```
General structure

int  Default to "0" //User id (empty or 0 for current user).
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

?

```
General structure

object {
userplan object {
phases list of (
object {
code int   //Phase code.
title string   //Phase title.
active int   //Whether is the active task.
tasks list of (
object {
code string   //Task code.
title string   //Task title.
link string   //Link to task.
details string  Optional //Task details.
completed string   //Completion information (maybe empty, maybe a boolean or generic info.
}
)actions list of (
object {
type string  Optional //Action type.
label string  Optional //Action label.
url string   //Link to action.
method string  Optional //Get or post.
}
)}
)examples list of (
object {
id int   //Example submission id.
title string   //Example submission title.
assessmentid int   //Example submission assessment id.
grade double   //The submission grade.
gradinggrade double   //The assessment grade.
}
)}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [userplan] =>
        Array
            (
            [phases] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [code] => int
                            [title] => string
                            [active] => int
                            [tasks] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [code] => string
                                            [title] => string
                                            [link] => string
                                            [details] => string
                                            [completed] => string
                                            )
                                    )
                            [actions] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [type] => string
                                            [label] => string
                                            [url] => string
                                            [method] => string
                                            )
                                    )
                            )
                    )
            [examples] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [title] => string
                            [assessmentid] => int
                            [grade] => double
                            [gradinggrade] => double
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userplan">
            <SINGLE>
                <KEY name="phases">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="code">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="active">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="tasks">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="code">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="title">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="link">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="details">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="completed">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="actions">
                                <MULTIPLE>
                                    <SINGLE>
                                        <KEY name="type">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="label">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="url">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="method">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="examples">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="assessmentid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="grade">
                                <VALUE>double</VALUE>
                            </KEY>
                            <KEY name="gradinggrade">
                                <VALUE>double</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
```


?

```
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_workshop_access_information

Return access information for a given workshop.

Arguments

workshopid (Required)

Workshop instance id.

```
General structure

int   //Workshop instance id.
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

Response

?

```
General structure

object {
creatingsubmissionallowed int   //Is the given user allowed to create their submission?
modifyingsubmissionallowed int   //Is the user allowed to modify his existing submission?
assessingallowed int   //Is the user allowed to create/edit his assessments?
assessingexamplesallowed int   //Are reviewers allowed to create/edit their assessments of the example submissions?.
examplesassessedbeforesubmission int   //Whether the given user has assessed all his required examples before submission
                (always true if there are not examples to assess or not configured to check before submission).
examplesassessedbeforeassessment int   //Whether the given user has assessed all his required examples before assessment
                (always true if there are not examples to assessor not configured to check before assessment).
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)canview int   //Whether the user has the capability mod/workshop:view allowed.
canaddinstance int   //Whether the user has the capability mod/workshop:addinstance allowed.
canswitchphase int   //Whether the user has the capability mod/workshop:switchphase allowed.
caneditdimensions int   //Whether the user has the capability mod/workshop:editdimensions allowed.
cansubmit int   //Whether the user has the capability mod/workshop:submit allowed.
canpeerassess int   //Whether the user has the capability mod/workshop:peerassess allowed.
canmanageexamples int   //Whether the user has the capability mod/workshop:manageexamples allowed.
canallocate int   //Whether the user has the capability mod/workshop:allocate allowed.
canpublishsubmissions int   //Whether the user has the capability mod/workshop:publishsubmissions allowed.
canviewauthornames int   //Whether the user has the capability mod/workshop:viewauthornames allowed.
canviewreviewernames int   //Whether the user has the capability mod/workshop:viewreviewernames allowed.
canviewallsubmissions int   //Whether the user has the capability mod/workshop:viewallsubmissions allowed.
canviewpublishedsubmissions int   //Whether the user has the capability mod/workshop:viewpublishedsubmissions allowed.
canviewauthorpublished int   //Whether the user has the capability mod/workshop:viewauthorpublished allowed.
canviewallassessments int   //Whether the user has the capability mod/workshop:viewallassessments allowed.
canoverridegrades int   //Whether the user has the capability mod/workshop:overridegrades allowed.
canignoredeadlines int   //Whether the user has the capability mod/workshop:ignoredeadlines allowed.
candeletesubmissions int   //Whether the user has the capability mod/workshop:deletesubmissions allowed.
canexportsubmissions int   //Whether the user has the capability mod/workshop:exportsubmissions allowed.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [creatingsubmissionallowed] => int
    [modifyingsubmissionallowed] => int
    [assessingallowed] => int
    [assessingexamplesallowed] => int
    [examplesassessedbeforesubmission] => int
    [examplesassessedbeforeassessment] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    [canview] => int
    [canaddinstance] => int
    [canswitchphase] => int
    [caneditdimensions] => int
    [cansubmit] => int
    [canpeerassess] => int
    [canmanageexamples] => int
    [canallocate] => int
    [canpublishsubmissions] => int
    [canviewauthornames] => int
    [canviewreviewernames] => int
    [canviewallsubmissions] => int
    [canviewpublishedsubmissions] => int
    [canviewauthorpublished] => int
    [canviewallassessments] => int
    [canoverridegrades] => int
    [canignoredeadlines] => int
    [candeletesubmissions] => int
    [canexportsubmissions] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="creatingsubmissionallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="modifyingsubmissionallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="assessingallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="assessingexamplesallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="examplesassessedbeforesubmission">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="examplesassessedbeforeassessment">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canaddinstance">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canswitchphase">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="caneditdimensions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cansubmit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpeerassess">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanageexamples">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canallocate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpublishsubmissions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewauthornames">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewreviewernames">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewallsubmissions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewpublishedsubmissions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewauthorpublished">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canviewallassessments">
            <VALUE>int</VALUE>
```


?

```
        </KEY>
        <KEY name="canoverridegrades">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canignoredeadlines">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="candeletesubmissions">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canexportsubmissions">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_get_workshops_by_courses

Returns a list of workshops in a provided list of courses, if no list is provided all workshops that the user can view will be returned.

Arguments

courseids (Default to "Array ( ) ")

Array of course ids

```
General structure

 Default to "Array
(
)
" //Array of course ids
list of (
int   //Course id
)
```

```
XML-RPC (PHP structure)

[courseids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

courseids[0]= int
```

?

Response

?

```
General structure

object {
workshops list of (
object {
id int   //The primary key of the record.
course int   //Course id this workshop is part of.
name string   //Workshop name.
intro string   //Workshop introduction text.
introformat int  Default to "1" //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lang string   //Forced activity language
instructauthors string  Optional //Instructions for the submission phase.
instructauthorsformat int  Default to "1" //instructauthors format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
instructreviewers string  Optional //Instructions for the assessment phase.
instructreviewersformat int  Default to "1" //instructreviewers format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
timemodified int  Optional //The timestamp when the module was modified.
phase int  Optional //The current phase of workshop (0 = not available, 1 = submission, 2 = assessment, 3 = closed).
useexamples int  Optional //Optional feature: students practise evaluating on example submissions from teacher.
usepeerassessment int  Optional //Optional feature: students perform peer assessment of others' work.
useselfassessment int  Optional //Optional feature: students perform self assessment of their own work.
grade double  Optional //The maximum grade for submission.
gradinggrade double  Optional //The maximum grade for assessment.
strategy string  Optional //The type of the current grading strategy used in this workshop.
evaluation string  Optional //The recently used grading evaluation method.
gradedecimals int  Optional //Number of digits that should be shown after the decimal point when displaying grades.
submissiontypetext int  Optional //Indicates whether text is required as part of each submission. 0 for no, 1 for optional, 2 for required.
submissiontypefile int  Optional //Indicates whether a file upload is required as part of each submission. 0 for no, 1 for optional, 2 for required.
nattachments int  Optional //Maximum number of submission attachments.
submissionfiletypes string  Optional //Comma separated list of file extensions.
latesubmissions int  Optional //Allow submitting the work after the deadline.
maxbytes int  Optional //Maximum size of the one attached file.
examplesmode int  Optional //0 = example assessments are voluntary, 1 = examples must be assessed before submission,
                    2 = examples are available after own submission and must be assessed before peer/self assessment phase.
submissionstart int  Optional //0 = will be started manually, greater than 0 the timestamp of the start of the submission phase.
submissionend int  Optional //0 = will be closed manually, greater than 0 the timestamp of the end of the submission phase.
assessmentstart int  Optional //0 = will be started manually, greater than 0 the timestamp of the start of the assessment phase.
assessmentend int  Optional //0 = will be closed manually, greater than 0 the timestamp of the end of the assessment phase.
phaseswitchassessment int  Optional //Automatically switch to the assessment phase after the submissions deadline.
conclusion string  Optional //A text to be displayed at the end of the workshop.
conclusionformat int  Default to "1" //conclusion format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
overallfeedbackmode int  Optional //Mode of the overall feedback support.
overallfeedbackfiles int  Optional //Number of allowed attachments to the overall feedback.
overallfeedbackfiletypes string  Optional //Comma separated list of file extensions.
overallfeedbackmaxbytes int  Optional //Maximum size of one file attached to the overall feedback.
coursemodule int   //coursemodule
introfiles   //introfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)instructauthorsfiles  Optional //instructauthorsfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)instructreviewersfiles  Optional //instructreviewersfiles
list of (
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)conclusionfiles  Optional //conclusionfiles
list of (
object {
filename string  Optional //File name.
```

?

```
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for the external files.
}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [workshops] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [lang] => string
                    [instructauthors] => string
                    [instructauthorsformat] => int
                    [instructreviewers] => string
                    [instructreviewersformat] => int
                    [timemodified] => int
                    [phase] => int
                    [useexamples] => int
                    [usepeerassessment] => int
                    [useselfassessment] => int
                    [grade] => double
                    [gradinggrade] => double
                    [strategy] => string
                    [evaluation] => string
                    [gradedecimals] => int
                    [submissiontypetext] => int
                    [submissiontypefile] => int
                    [nattachments] => int
                    [submissionfiletypes] => string
                    [latesubmissions] => int
                    [maxbytes] => int
                    [examplesmode] => int
                    [submissionstart] => int
                    [submissionend] => int
                    [assessmentstart] => int
                    [assessmentend] => int
                    [phaseswitchassessment] => int
                    [conclusion] => string
                    [conclusionformat] => int
                    [overallfeedbackmode] => int
                    [overallfeedbackfiles] => int
                    [overallfeedbackfiletypes] => string
                    [overallfeedbackmaxbytes] => int
                    [coursemodule] => int
                    [introfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [instructauthorsfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string
                                    [filepath] => string
                                    [filesize] => int
                                    [fileurl] => string
                                    [timemodified] => int
                                    [mimetype] => string
                                    [isexternalfile] => int
                                    [repositorytype] => string
                                    )
                            )
                    [instructreviewersfiles] =>
                        Array
                            (
```

?

```
                        [0] =>
                            Array
                                (
                                [filename] => string
                                [filepath] => string
                                [filesize] => int
                                [fileurl] => string
                                [timemodified] => int
                                [mimetype] => string
                                [isexternalfile] => int
                                [repositorytype] => string
                                )
                        )
                [conclusionfiles] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [filename] => string
                                [filepath] => string
                                [filesize] => int
                                [fileurl] => string
                                [timemodified] => int
                                [mimetype] => string
                                [isexternalfile] => int
                                [repositorytype] => string
                                )
                        )
                )
        )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="workshops">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="course">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="intro">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="introformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instructauthors">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instructauthorsformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="instructreviewers">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="instructreviewersformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="phase">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useexamples">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usepeerassessment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="useselfassessment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradinggrade">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="strategy">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="evaluation">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="gradedecimals">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissiontypetext">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissiontypefile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="nattachments">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="submissionfiletypes">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="latesubmissions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="maxbytes">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="examplesmode">
    <VALUE>int</VALUE>
</KEY>
<KEY name="submissionstart">
    <VALUE>int</VALUE>
</KEY>
<KEY name="submissionend">
    <VALUE>int</VALUE>
</KEY>
<KEY name="assessmentstart">
    <VALUE>int</VALUE>
</KEY>
<KEY name="assessmentend">
    <VALUE>int</VALUE>
</KEY>
<KEY name="phaseswitchassessment">
    <VALUE>int</VALUE>
</KEY>
<KEY name="conclusion">
    <VALUE>string</VALUE>
</KEY>
<KEY name="conclusionformat">
    <VALUE>int</VALUE>
</KEY>
<KEY name="overallfeedbackmode">
    <VALUE>int</VALUE>
</KEY>
<KEY name="overallfeedbackfiles">
    <VALUE>int</VALUE>
</KEY>
<KEY name="overallfeedbackfiletypes">
    <VALUE>string</VALUE>
</KEY>
<KEY name="overallfeedbackmaxbytes">
    <VALUE>int</VALUE>
</KEY>
<KEY name="coursemodule">
    <VALUE>int</VALUE>
</KEY>
<KEY name="introfiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="mimetype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="isexternalfile">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="repositorytype">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="instructauthorsfiles">
    <MULTIPLE>
        <SINGLE>
            <KEY name="filename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filepath">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="filesize">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fileurl">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="instructreviewersfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="conclusionfiles">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="filename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filepath">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="filesize">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="fileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="mimetype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="isexternalfile">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="repositorytype">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="warnings">
    <MULTIPLE>
        <SINGLE>
            <KEY name="item">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="itemid">
```


?

```
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_update_assessment

Add information to an allocated assessment.

Arguments

assessmentid (Required)

Assessment id.

```
General structure

int   //Assessment id.
```

```
XML-RPC (PHP structure)

[assessmentid] => int
```

```
REST (POST parameters)

assessmentid= int
```

data (Required)

Assessment data

?

```
General structure

  //Assessment data
list of (
object {
name string   //The assessment data (use WS get_assessment_form_definition for obtaining the data to sent).
                                Apart from that data, you can optionally send:
                                feedbackauthor (str); the feedback for the submission author
                                feedbackauthorformat (int); the format of the feedbackauthor
                                feedbackauthorinlineattachmentsid (int); the draft file area for the editor attachments
                                feedbackauthorattachmentsid (int); the draft file area id for the feedback attachments
value string   //The value of the option.
}
)
```

```
XML-RPC (PHP structure)

[data] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

data[0][name]= string
data[0][value]= string
```

Response

```
General structure

object {
status int   //status: true if the assessment was added or updated false otherwise.
rawgrade double  Optional //Raw percentual grade (0.00000 to 100.00000) for submission.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [rawgrade] => double
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="rawgrade">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_update_submission

Update the given submission.

Arguments

submissionid (Required)

Submission id

```
General structure

int   //Submission id
```

```
XML-RPC (PHP structure)

[submissionid] => int
```

?

```
REST (POST parameters)

submissionid= int
```

title (Required)

Submission title

```
General structure

string   //Submission title
```

```
XML-RPC (PHP structure)

[title] => string
```

```
REST (POST parameters)

title= string
```

content (Default to "")

Submission text content

```
General structure

string  Default to "" //Submission text content
```

```
XML-RPC (PHP structure)

[content] => string
```

```
REST (POST parameters)

content= string
```

contentformat (Default to "0")

The format used for the content

```
General structure

int  Default to "0" //The format used for the content
```

```
XML-RPC (PHP structure)

[contentformat] => int
```

```
REST (POST parameters)

contentformat= int
```

inlineattachmentsid (Default to "0")

The draft file area id for inline attachments in the content

```
General structure

int  Default to "0" //The draft file area id for inline attachments in the content
```

```
XML-RPC (PHP structure)

[inlineattachmentsid] => int
```

?

```
REST (POST parameters)

inlineattachmentsid= int
```

attachmentsid (Default to "0")

The draft file area id for attachments

```
General structure

int  Default to "0" //The draft file area id for attachments
```

```
XML-RPC (PHP structure)

[attachmentsid] => int
```

```
REST (POST parameters)

attachmentsid= int
```

Response

```
General structure

object {
status int   //True if the submission was updated false otherwise.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_view_submission

Trigger the submission viewed event.

Arguments

submissionid (Required)

Submission id

```
General structure

int   //Submission id
```

```
XML-RPC (PHP structure)

[submissionid] => int
```

?

```
REST (POST parameters)

submissionid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

mod_workshop_view_workshop

Trigger the course module viewed event and update the module completion status.

Arguments

workshopid (Required)

Workshop instance id

```
General structure

int   //Workshop instance id
```

```
XML-RPC (PHP structure)

[workshopid] => int
```

```
REST (POST parameters)

workshopid= int
```

Response

```
General structure

object {
status int   //status: true if success
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [status] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

paygw_paypal_create_transaction_complete

Takes care of what needs to be done when a PayPal transaction comes back as complete.

?

Arguments

component (Required)

The component name

```
General structure

string   //The component name
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

paymentarea (Required)

Payment area in the component

```
General structure

string   //Payment area in the component
```

```
XML-RPC (PHP structure)

[paymentarea] => string
```

```
REST (POST parameters)

paymentarea= string
```

itemid (Required)

The item id in the context of the component area

```
General structure

int   //The item id in the context of the component area
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

orderid (Required)

The order id coming back from PayPal

```
General structure

string   //The order id coming back from PayPal
```

```
XML-RPC (PHP structure)

[orderid] => string
```

```
REST (POST parameters)

orderid= string
```

?

Response

```
General structure

object {
success int   //Whether everything was successful or not.
message string   //Message (usually the error message).
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [success] => int
        [message] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="message">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

paygw_paypal_get_config_for_js

Returns the configuration settings to be used in js

Arguments

component (Required)

Component

```
General structure

string   //Component
```

?

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

paymentarea (Required)

Payment area in the component

```
General structure

string   //Payment area in the component
```

```
XML-RPC (PHP structure)

[paymentarea] => string
```

```
REST (POST parameters)

paymentarea= string
```

itemid (Required)

An identifier for payment area in the component

```
General structure

int   //An identifier for payment area in the component
```

```
XML-RPC (PHP structure)

[itemid] => int
```

```
REST (POST parameters)

itemid= int
```

Response

```
General structure

object {
clientid string   //PayPal client ID
brandname string   //Brand name
cost double   //Cost with gateway surcharge
currency string   //Currency
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [clientid] => string
        [brandname] => string
        [cost] => double
        [currency] => string
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="clientid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="brandname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="cost">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="currency">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

qbank_columnsortorder_set_column_size

Column size

Arguments

sizes (Default to "null")

Size for each column, as a JSON string representing [column => size]

```
General structure

string  Default to "null" //Size for each column, as a JSON string representing [column => size]
```

```
XML-RPC (PHP structure)

[sizes] => string
```

```
REST (POST parameters)

sizes= string
```

global (Default to "")

Set global config setting, rather than user preference

?

```
General structure

int  Default to "" //Set global config setting, rather than user preference
```

```
XML-RPC (PHP structure)

[global] => int
```

```
REST (POST parameters)

global= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

qbank_columnsortorder_set_columnbank_order

Sets question columns order in database

Arguments

columns (Default to "null")

List of column in the desired order

```
General structure

 Default to "null" //List of column in the desired order
list of (
string   //Plugin name for the column
)
```

```
XML-RPC (PHP structure)

[columns] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

columns[0]= string
```

global (Default to "") ?

Set global config setting, rather than user preference

```
General structure

int  Default to "" //Set global config setting, rather than user preference
```

```
XML-RPC (PHP structure)

[global] => int
```

```
REST (POST parameters)

global= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

qbank_columnsortorder_set_hidden_columns

Hidden Columns

Arguments

columns (Default to "null")

List of hidden columns

```
General structure

 Default to "null" //List of hidden columns
list of (
string   //Plugin name for the hidden column
)
```

```
XML-RPC (PHP structure)

[columns] =>
    Array
        (
        [0] => string
        )
```

```
REST (POST parameters)

columns[0]= string
```

?

global (Default to "")

Set global config setting, rather than user preference

```
General structure

int  Default to "" //Set global config setting, rather than user preference
```

```
XML-RPC (PHP structure)

[global] => int
```

```
REST (POST parameters)

global= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

qbank_editquestion_set_status

Update the question status.

Arguments

questionid (Required)

The question id

```
General structure

int   //The question id
```

```
XML-RPC (PHP structure)

[questionid] => int
```

```
REST (POST parameters)

questionid= int
```

status (Required)

The updated question status

?

```
General structure

string   //The updated question status
```

```
XML-RPC (PHP structure)

[status] => string
```

```
REST (POST parameters)

status= string
```

Response

```
General structure

object {
status int   //status: true if success
statusname string   //statusname: name of the status
error string   //Error message if error exists
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        [statusname] => string
        [error] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="error">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

qbank_tagquestion_submit_tags_form

Update the question tags.

Arguments

questionid (Required)

The question id

```
General structure

int   //The question id
```

```
XML-RPC (PHP structure)

[questionid] => int
```

```
REST (POST parameters)

questionid= int
```

contextid (Required)

The editing context id

```
General structure

int   //The editing context id
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

formdata (Required)

The data from the tag form

```
General structure

string   //The data from the tag form
```

```
XML-RPC (PHP structure)

[formdata] => string
```

```
REST (POST parameters)

formdata= string
```

Response

```
General structure

object {
status int   //status: true if success
}
```

?

```
XML-RPC (PHP structure)


    Array
        (
        [status] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

qbank_viewquestiontext_set_question_text_format

Sets the preference for displaying and formatting the question text

Arguments

format (Required)

Format for the question text

```
General structure

int   //Format for the question text
```

```
XML-RPC (PHP structure)

[format] => int
```

```
REST (POST parameters)

format= int
```

Response

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

quizaccess_seb_validate_quiz_keys

Validate a Safe Exam Browser config key or a browser exam key.

Arguments

cmid (Required)

Course module ID

```
General structure

int   //Course module ID
```

```
XML-RPC (PHP structure)

[cmid] => int
```

```
REST (POST parameters)

cmid= int
```

url (Required)

Page URL to check

```
General structure

string   //Page URL to check
```

```
XML-RPC (PHP structure)

[url] => string
```

```
REST (POST parameters)

url= string
```

configkey (Default to "null")

SEB config key

```
General structure

string  Default to "null" //SEB config key
```

?

```
XML-RPC (PHP structure)

[configkey] => string
```

```
REST (POST parameters)

configkey= string
```

browserexamkey (Default to "null")

SEB browser exam key

```
General structure

string  Default to "null" //SEB browser exam key
```

```
XML-RPC (PHP structure)

[browserexamkey] => string
```

```
REST (POST parameters)

browserexamkey= string
```

Response

```
General structure

object {
configkey int   //Is a provided config key valid?
browserexamkey int   //Is a provided browser exam key valid?
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [configkey] => int
        [browserexamkey] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="configkey">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="browserexamkey">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

report_competency_data_for_report

Load the data for the competency report in a course.

Arguments
courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

userid (Required)

The user id

```
General structure

int   //The user id
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

moduleid (Required)

The module id

```
General structure

int   //The module id
```

```
XML-RPC (PHP structure)

[moduleid] => int
```

```
REST (POST parameters)

moduleid= int
```

?

Response

```
General structure

object {
courseid int   //Course id
user object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
usercompetencies list of (
object {
usercompetencycourse object {
userid int   //userid
courseid int   //courseid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
competency object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
```

?

```
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
```

?

```
}
}
)pushratingstouserplans int   //True if rating is push to user plans
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courseid] => int
    [user] =>
        Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
    [course] =>
        Array
            (
            [id] => int
            [fullname] => string
            [shortname] => string
            [idnumber] => string
            [summary] => string
            [summaryformat] => int
            [startdate] => int
            [enddate] => int
            [visible] => int
            [showactivitydates] => int
            [showcompletionconditions] => int
            [pdfexportfont] => string
            [fullnamedisplay] => string
            [viewurl] => string
            [courseimage] => string
            [progress] => int
            [hasprogress] => int
            [isfavourite] => int
            [hidden] => int
            [timeaccess] => int
            [showshortname] => int
            [coursecategory] => string
            )
    [usercompetencies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [usercompetencycourse] =>
                        Array
                            (
                            [userid] => int
                            [courseid] => int
                            [competencyid] => int
                            [proficiency] => int
                            [grade] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            [gradename] => string
                            [proficiencyname] => string
                            )
                    [competency] =>
                        Array
                            (
                            [linkedcourses] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [id] => int
                                            [fullname] => string
                                            [shortname] => string
                                            [idnumber] => string
                                            [summary] => string
                                            [summaryformat] => int
                                            [startdate] => int
```

?

```
                [enddate] => int
                [visible] => int
                [showactivitydates] => int
                [showcompletionconditions] => int
                [pdfexportfont] => string
                [fullnamedisplay] => string
                [viewurl] => string
                [courseimage] => string
                [progress] => int
                [hasprogress] => int
                [isfavourite] => int
                [hidden] => int
                [timeaccess] => int
                [showshortname] => int
                [coursecategory] => string
                )
        )
[relatedcompetencies] =>
    Array
        (
        [0] =>
            Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [sortorder] => int
                [parentid] => int
                [path] => string
                [ruleoutcome] => int
                [ruletype] => string
                [ruleconfig] => string
                [scaleid] => int
                [scaleconfiguration] => string
                [competencyframeworkid] => int
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                )
        )
[competency] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [sortorder] => int
        [parentid] => int
        [path] => string
        [ruleoutcome] => int
        [ruletype] => string
        [ruleconfig] => string
        [scaleid] => int
        [scaleconfiguration] => string
        [competencyframeworkid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
[framework] =>
    Array
        (
        [shortname] => string
        [idnumber] => string
        [description] => string
        [descriptionformat] => int
        [visible] => int
        [scaleid] => int
        [scaleconfiguration] => string
        [contextid] => int
        [taxonomies] => string
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        [canmanage] => int
        [competenciescount] => int
        [contextname] => string
        [contextnamenoprefix] => string
        )
[hascourses] => int
```

?

```
                            [hasrelatedcompetencies] => int
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [taxonomyterm] => string
                            [comppath] =>
                                Array
                                    (
                                    [ancestors] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
                                                    [name] => string
                                                    [first] => int
                                                    [last] => int
                                                    [position] => int
                                                    )
                                            )
                                    [framework] =>
                                        Array
                                            (
                                            [id] => int
                                            [name] => string
                                            [first] => int
                                            [last] => int
                                            [position] => int
                                            )
                                    [pluginbaseurl] => string
                                    [pagecontextid] => int
                                    [showlinks] => int
                                    )
                            [pluginbaseurl] => string
                            )
                        )
                    )
        [pushratingstouserplans] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="user">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="institution">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="identity">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurlsmall">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="course">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="fullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="summary">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="summaryformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="startdate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="enddate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showactivitydates">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showcompletionconditions">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="pdfexportfont">
                    <VALUE>string</VALUE>
```


?

```
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="usercompetencies">
        <MULTIPLE>
            <SINGLE>
                <KEY name="usercompetencycourse">
                    <SINGLE>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="courseid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="competencyid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="proficiency">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="grade">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="usermodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="gradename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="proficiencyname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="competency">
                    <SINGLE>
                        <KEY name="linkedcourses">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="fullname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="shortname">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="relatedcompetencies">
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="ruleoutcome">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="ruletype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ruleconfig">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="scaleid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scaleconfiguration">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="competencyframeworkid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="competency">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
```


?

```
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="framework">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="hascourses">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hasrelatedcompetencies">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleconfiguration">
    <VALUE>string</VALUE>
</KEY>
<KEY name="taxonomyterm">
    <VALUE>string</VALUE>
</KEY>
<KEY name="comppath">
    <SINGLE>
        <KEY name="ancestors">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
```


?

```
                                        <KEY name="first">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="last">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                        <KEY name="position">
                                            <VALUE>int</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="framework">
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="name">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="first">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="last">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="position">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                </SINGLE>
                            </KEY>
                            <KEY name="pluginbaseurl">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="pagecontextid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="showlinks">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="pluginbaseurl">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="pushratingstouserplans">
    <VALUE>int</VALUE>
</KEY>
</SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

report_insights_action_executed

Stores an action executed over a group of predictions.

Arguments

actionname (Required)

The name of the action

```
General structure

string   //The name of the action
```

```
XML-RPC (PHP structure)

[actionname] => string
```

```
REST (POST parameters)

actionname= string
```

predictionids (Required)

Array of prediction ids

```
General structure

  //Array of prediction ids
list of (
int   //Prediction id
)
```

```
XML-RPC (PHP structure)

[predictionids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

predictionids[0]= int
```

Response

```
General structure

object {
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

report_insights_set_fixed_prediction Deprecated

Flags a prediction as fixed.

Arguments

predictionid (Required) ?

The prediction id

```
General structure

int   //The prediction id
```

```
XML-RPC (PHP structure)

[predictionid] => int
```

```
REST (POST parameters)

predictionid= int
```

Response

```
General structure

object {
success int   //True if the prediction was successfully flagged as fixed.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [success] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

report_insights_set_notuseful_prediction Deprecated

Flags the prediction as not useful.

Arguments

predictionid (Required)

The prediction id

```
General structure

int   //The prediction id
```

```
XML-RPC (PHP structure)

[predictionid] => int
```

?

```
REST (POST parameters)

predictionid= int
```

Response

```
General structure

object {
success int   //True if the prediction was successfully flagged as not useful.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [success] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="success">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tiny_autosave_reset_session

Reset an autosave session

Arguments

contextid (Required)

The context id that owns the editor

```
General structure

int   //The context id that owns the editor
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

pagehash (Required)

The page hash

```
General structure

string   //The page hash
```

```
XML-RPC (PHP structure)

[pagehash] => string
```

```
REST (POST parameters)

pagehash= string
```

pageinstance (Required)

The page instance

```
General structure

string   //The page instance
```

```
XML-RPC (PHP structure)

[pageinstance] => string
```

?

```
REST (POST parameters)

pageinstance= string
```

elementid (Required)

The ID of the element

```
General structure

string   //The ID of the element
```

```
XML-RPC (PHP structure)

[elementid] => string
```

```
REST (POST parameters)

elementid= string
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tiny_autosave_resume_session

?

Resume an autosave session

Arguments

contextid (Required)

The context id that owns the editor

```
General structure

int   //The context id that owns the editor
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

pagehash (Required)

The page hash

```
General structure

string   //The page hash
```

```
XML-RPC (PHP structure)

[pagehash] => string
```

```
REST (POST parameters)

pagehash= string
```

pageinstance (Required)

The page instance

```
General structure

string   //The page instance
```

```
XML-RPC (PHP structure)

[pageinstance] => string
```

```
REST (POST parameters)

pageinstance= string
```

elementid (Required)

The ID of the element

```
General structure

string   //The ID of the element
```

```
XML-RPC (PHP structure)

[elementid] => string
```

?

```
REST (POST parameters)

elementid= string
```

draftid (Required)

The new draft item id to resume files to

```
General structure

int   //The new draft item id to resume files to
```

```
XML-RPC (PHP structure)

[draftid] => int
```

```
REST (POST parameters)

draftid= int
```

Response

```
General structure

object {
drafttext string   //The draft text
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [drafttext] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="drafttext">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

tiny_autosave_update_session

Update an autosave session

Arguments

contextid (Required)

The context id that owns the editor

```
General structure

int   //The context id that owns the editor
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

pagehash (Required)

The page hash

```
General structure

string   //The page hash
```

```
XML-RPC (PHP structure)

[pagehash] => string
```

```
REST (POST parameters)

pagehash= string
```

pageinstance (Required)

The page instance

```
General structure

string   //The page instance
```

```
XML-RPC (PHP structure)

[pageinstance] => string
```

```
REST (POST parameters)

pageinstance= string
```

elementid (Required)

The ID of the element

```
General structure

string   //The ID of the element
```

```
XML-RPC (PHP structure)

[elementid] => string
```

?

```
REST (POST parameters)

elementid= string
```

drafttext (Required)

The draft text

```
General structure

string   //The draft text
```

```
XML-RPC (PHP structure)

[drafttext] => string
```

```
REST (POST parameters)

drafttext= string
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tiny_equation_filter

?

Filter the equation

Arguments

contextid (Required)

The context ID

```
General structure

int   //The context ID
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

content (Required)

The equation content

```
General structure

string   //The equation content
```

```
XML-RPC (PHP structure)

[content] => string
```

```
REST (POST parameters)

content= string
```

Response

```
General structure

object {
content string   //Filtered content
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [content] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="content">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tiny_premium_get_api_key

Get the Tiny Premium API key from Moodle

Arguments

contextid (Required)

The current context ID.

```
General structure

int   //The current context ID.
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

Response

```
General structure

object {
apikey string   //The API key for Tiny Premium
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [apikey] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="apikey">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_analytics_potential_contexts

Retrieve the list of potential contexts for a model.

Arguments

query (Default to "null")

The model id

```
General structure

string  Default to "null" //The model id
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

modelid (Default to "null")

The model id

```
General structure

int  Default to "null" //The model id
```

```
XML-RPC (PHP structure)

[modelid] => int
```

```
REST (POST parameters)

modelid= int
```

Response

?

```
General structure

list of (
object {
id int   //ID of the context
name string   //The context name
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="name">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_behat_get_entity_generator

Get the generator details for an entity

Arguments

entitytype (Required)

Entity type that can be created by a generator.

?

```
General structure

string   //Entity type that can be created by a generator.
```

```
XML-RPC (PHP structure)

[entitytype] => string
```

```
REST (POST parameters)

entitytype= string
```

Response

```
General structure

object {
required  Optional //Required fields
list of (
string   //Required field
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [required] =>
            Array
                (
                [0] => string
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="required">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?

tool_dataprivacy_approve_data_request

Approve a data request

Arguments

requestid (Required)

The request ID

```
General structure

int   //The request ID
```

```
XML-RPC (PHP structure)

[requestid] => int
```

```
REST (POST parameters)

requestid= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_bulk_approve_data_requests

Bulk approve data requests

Arguments

requestids (Required)

```
General structure

list of (
int   //The request ID
)
```

```
XML-RPC (PHP structure)

[requestids] =>
    Array
        (
        [0] => int
        )
```

?

```
REST (POST parameters)

requestids[0]= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_bulk_deny_data_requests

Bulk deny data requests

Arguments

requestids (Required)

```
General structure

list of (
int   //The request ID
)
```

```
XML-RPC (PHP structure)

[requestids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

requestids[0]= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_cancel_data_request

Cancel the data request made by the user

?

Arguments

requestid (Required)

The request ID

```
General structure

int   //The request ID
```

```
XML-RPC (PHP structure)

[requestid] => int
```

```
REST (POST parameters)

requestid= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_confirm_contexts_for_deletion

Mark the selected expired contexts as confirmed for deletion

Arguments

ids (Default to "Array ( ) ")

Array of expired context record IDs

```
General structure

 Default to "Array
(
)
" //Array of expired context record IDs
list of (
int   //Expired context record ID
)
```

?

```
XML-RPC (PHP structure)

[ids] =>
    Array
        (
        [0] => int
        )
```

```
REST (POST parameters)

ids[0]= int
```

Response

```
General structure

object {
result int   //Whether the record was properly marked for deletion or not
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_contact_dpo

Contact the site Data Protection Officer(s)

Arguments

message (Required)

The user's message to the Data Protection Officer(s)

```
General structure

string   //The user's message to the Data Protection Officer(s)
```

```
XML-RPC (PHP structure)

[message] => string
```

?

```
REST (POST parameters)

message= string
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_create_category_form

Adds a data category

Arguments

jsonformdata (Required)

The data to create the category, encoded as a json array

```
General structure

string   //The data to create the category, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

```
General structure

object {
category object {
name string   //The category name.
description string   //The category description.
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
validationerrors int   //Were there validation errors
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [category] =>
        Array
            (
            [name] => string
            [description] => string
            [descriptionformat] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            )
    [validationerrors] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="category">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="validationerrors">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_create_purpose_form ?

Adds a data purpose

Arguments

jsonformdata (Required)

The data to create the purpose, encoded as a json array

```
General structure

string   //The data to create the purpose, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

```
General structure

object {
purpose object {
name string   //The purpose name.
description string   //The purpose description.
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
lawfulbases string   //Comma-separated IDs matching records in tool_dataprivacy_lawfulbasis.
sensitivedatareasons string   //Comma-separated IDs matching records in tool_dataprivacy_sensitive
retentionperiod string   //Retention period. ISO_8601 durations format (as in DateInterval format).
protected int   //Data retention with higher precedent over user's request to be forgotten.
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
formattedretentionperiod string   //formattedretentionperiod
formattedlawfulbases   //formattedlawfulbases
list of (
object {
name string   //name
description string   //description
}
)formattedsensitivedatareasons  Optional //formattedsensitivedatareasons
list of (
object {
name string   //name
description string   //description
}
)roleoverrides string   //roleoverrides
}
validationerrors int   //Were there validation errors
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [purpose] =>
        Array
            (
            [name] => string
            [description] => string
            [descriptionformat] => int
            [lawfulbases] => string
            [sensitivedatareasons] => string
            [retentionperiod] => string
            [protected] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [formattedretentionperiod] => string
            [formattedlawfulbases] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [description] => string
                            )
                    )
            [formattedsensitivedatareasons] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [description] => string
                            )
                    )
            [roleoverrides] => string
            )
    [validationerrors] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="purpose">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="lawfulbases">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="sensitivedatareasons">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="retentionperiod">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="protected">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="formattedretentionperiod">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="formattedlawfulbases">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="formattedsensitivedatareasons">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="roleoverrides">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="validationerrors">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_delete_category

Deletes an existing data category

Arguments

id (Required)

The category ID

```
General structure

int   //The category ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

General structure

```
object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_dataprivacy_delete_purpose

Deletes an existing data purpose

Arguments
id (Required)

The purpose ID

```
General structure

int   //The purpose ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_deny_data_request

Deny a data request

Arguments

requestid (Required)

The request ID

```
General structure

int   //The request ID
```

```
XML-RPC (PHP structure)

[requestid] => int
```

?

```
REST (POST parameters)

requestid= int
```

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_get_activity_options

Fetches a list of activity options

Arguments

nodefaults (Default to "")

Whether to fetch all activities or only those without defaults

```
General structure

int  Default to "" //Whether to fetch all activities or only those without defaults
```

```
XML-RPC (PHP structure)

[nodefaults] => int
```

```
REST (POST parameters)

nodefaults= int
```

Response

```
General structure

object {
options list of (
object {
name string   //The plugin name of the activity
displayname string   //The display name of the activity
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [displayname] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="displayname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_dataprivacy_get_category_options

Fetches a list of data category options

Arguments
includeinherit (Default to "1")

Include option "Inherit"

```
General structure

int  Default to "1" //Include option "Inherit"
```

```
XML-RPC (PHP structure)

[includeinherit] => int
```

```
REST (POST parameters)

includeinherit= int
```

includenotset (Default to "")

Include option "Not set"

```
General structure

int  Default to "" //Include option "Not set"
```

```
XML-RPC (PHP structure)

[includenotset] => int
```

```
REST (POST parameters)

includenotset= int
```

Response

```
General structure

object {
options list of (
object {
id int   //The category ID
name string   //The category name
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_dataprivacy_get_data_request

Fetch the details of a user's data request

Arguments
requestid (Required)

The request ID

```
General structure

int   //The request ID
```

```
XML-RPC (PHP structure)

[requestid] => int
```

```
REST (POST parameters)

requestid= int
```

Response

?

```
General structure

object {
result object {
type int  //type
comments string  //comments
commentsformat int  //commentsformat
userid int  //userid
requestedby int  //requestedby
status int  //status
dpo int  //dpo
dpocomment string  //dpocomment
dpocommentformat int  //dpocommentformat
systemapproved int  //systemapproved
creationmethod int  //creationmethod
id int  //id
timecreated int  //timecreated
timemodified int  //timemodified
usermodified int  //usermodified
foruser object {
id int  //id
email string  //email
idnumber string  //idnumber
phone1 string  //phone1
phone2 string  //phone2
department string  //department
institution string  //institution
fullname string  //fullname
identity string  //identity
profileurl string  //profileurl
profileimageurl string  //profileimageurl
profileimageurlsmall string  //profileimageurlsmall
}
requestedbyuser object {
id int  //id
email string  //email
idnumber string  //idnumber
phone1 string  //phone1
phone2 string  //phone2
department string  //department
institution string  //institution
fullname string  //fullname
identity string  //identity
profileurl string  //profileurl
profileimageurl string  //profileimageurl
profileimageurlsmall string  //profileimageurlsmall
}
dpouser object {
id int  //id
email string  //email
idnumber string  //idnumber
phone1 string  //phone1
phone2 string  //phone2
department string  //department
institution string  //institution
fullname string  //fullname
identity string  //identity
profileurl string  //profileurl
profileimageurl string  //profileimageurl
profileimageurlsmall string  //profileimageurlsmall
}
messagehtml string  Optional //messagehtml
typename string  //typename
typenameshort string  //typenameshort
statuslabel string  //statuslabel
statuslabelclass string  //statuslabelclass
canreview int  Optional //canreview
approvedeny int  Optional //approvedeny
allowfiltering int  Optional //allowfiltering
canmarkcomplete int  Optional //canmarkcomplete
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string  //the warning code can be used by the client app to implement specific behaviour
message string  //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] =>
        Array
            (
            [type] => int
            [comments] => string
            [commentsformat] => int
            [userid] => int
            [requestedby] => int
            [status] => int
            [dpo] => int
            [dpocomment] => string
            [dpocommentformat] => int
            [systemapproved] => int
            [creationmethod] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [foruser] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [requestedbyuser] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [dpouser] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [messagehtml] => string
            [typename] => string
            [typenameshort] => string
            [statuslabel] => string
            [statuslabelclass] => string
            [canreview] => int
            [approvedeny] => int
            [allowfiltering] => int
            [canmarkcomplete] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
```

?

```
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <SINGLE>
                <KEY name="type">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="comments">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="commentsformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="requestedby">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="status">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="dpo">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="dpocomment">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="dpocommentformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="systemapproved">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="creationmethod">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="foruser">
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="email">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="idnumber">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone1">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="phone2">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="department">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="institution">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="fullname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="identity">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileurl">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="profileimageurl">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="requestedbyuser">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="dpouser">
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                </SINGLE>
            </KEY>
            <KEY name="messagehtml">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="typename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="typenameshort">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="statuslabel">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="statuslabelclass">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="canreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="approvedeny">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="allowfiltering">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmarkcomplete">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="warnings">
        <MULTIPLE>
            <SINGLE>
                <KEY name="item">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="itemid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warningcode">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="message">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_get_purpose_options

Fetches a list of data storage purpose options ?

Arguments

includeinherit (Default to "1")

Include option "Inherit"

```
General structure

int  Default to "1" //Include option "Inherit"
```

```
XML-RPC (PHP structure)

[includeinherit] => int
```

```
REST (POST parameters)

includeinherit= int
```

includenotset (Default to "")

Include option "Not set"

```
General structure

int  Default to "" //Include option "Not set"
```

```
XML-RPC (PHP structure)

[includenotset] => int
```

```
REST (POST parameters)

includenotset= int
```

Response

```
General structure

object {
options list of (
object {
id int   //The purpose ID
name string   //The purpose name
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [options] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="options">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_dataprivacy_get_users

Fetches a list of users

Arguments
query (Required)

The search query

```
General structure

string   //The search query
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

Response

```
General structure

list of (
object {
id int   //ID of the user
fullname string   //The fullname of the user
extrafields  Optional //List of extra fields
list of (
object {
name string   //Name of the extrafield.
value string   //Value of the extrafield.
}
)}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [fullname] => string
                [extrafields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [name] => string
                                [value] => string
                                )
                        )
                )
        )
```

?

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="extrafields">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="value">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_mark_complete

Mark a user's general enquiry as complete

Arguments

requestid (Required)

The request ID

General structure

```
int   //The request ID
```

XML-RPC (PHP structure)

```
[requestid] => int
```

REST (POST parameters)

```
requestid= int
```

?

Response

```
General structure

object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_set_context_defaults

Updates the default category and purpose for a given context level (and optionally, a plugin)

Arguments

contextlevel (Required)

The context level

```
General structure

int   //The context level
```

```
XML-RPC (PHP structure)

[contextlevel] => int
```

```
REST (POST parameters)

contextlevel= int
```

category (Required)

The default category for the given context level

```
General structure

int   //The default category for the given context level
```

```
XML-RPC (PHP structure)

[category] => int
```

```
REST (POST parameters)

category= int
```

purpose (Required)

The default purpose for the given context level

```
General structure

int   //The default purpose for the given context level
```

```
XML-RPC (PHP structure)

[purpose] => int
```

```
REST (POST parameters)

purpose= int
```

activity (Default to "null")

The plugin name of the activity

```
General structure

string  Default to "null" //The plugin name of the activity
```

```
XML-RPC (PHP structure)

[activity] => string
```

```
REST (POST parameters)

activity= string
```

override (Default to "")

Whether to override existing instances with the defaults

```
General structure

int  Default to "" //Whether to override existing instances with the defaults
```

```
XML-RPC (PHP structure)

[override] => int
```

```
REST (POST parameters)

override= int
```

Response

```
General structure

object {
result int   //Whether the context defaults were successfully set or not
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_set_context_form

Sets purpose and category for a specific context

?

Arguments

jsonformdata (Required)

The context level data, encoded as a json array

```
General structure

string   //The context level data, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

```
General structure

object {
result int   //Whether the data was properly set or not
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_set_contextlevel_form

Sets purpose and category across a context level

Arguments

jsonformdata (Required)

The context level data, encoded as a json array

```
General structure

string   //The context level data, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

?

REST (POST parameters)

```
jsonformdata= string
```

Response

General structure

```
object {
result int   //Whether the data was properly set or not
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_dataprivacy_submit_selected_courses_form

Save list of selected courses for export

Arguments

requestid (Required)

The id of data request

```
General structure

int   //The id of data request
```

```
XML-RPC (PHP structure)

[requestid] => int
```

```
REST (POST parameters)

requestid= int
```

jsonformdata (Required)

The data of selected courses form, encoded as a json array

```
General structure

string   //The data of selected courses form, encoded as a json array
```

```
XML-RPC (PHP structure)

[jsonformdata] => string
```

```
REST (POST parameters)

jsonformdata= string
```

Response

?

General structure

```
object {
result int   //The processing result
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [result] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_dataprivacy_tree_extra_branches

Return branches for the context tree

Arguments
contextid (Required)

The context id to expand

```
General structure

int   //The context id to expand
```

```
XML-RPC (PHP structure)

[contextid] => int
```

```
REST (POST parameters)

contextid= int
```

element (Required)

The element we are interested on

```
General structure

string   //The element we are interested on
```

```
XML-RPC (PHP structure)

[element] => string
```

```
REST (POST parameters)

element= string
```

Response

?

```
General structure

object {
branches list of (
 Optional //Node structure
object {
text string   //The node text
expandcontextid int   //The contextid this node expands
expandelement string   //What element is this node expanded to
contextid int   //The node contextid
contextlevel int   //The node contextlevel
expanded int   //Is it expanded
branches  Optional //Children node structure
list of (
 Optional //Node structure
object {
text string   //The node text
expandcontextid int   //The contextid this node expands
expandelement string   //What element is this node expanded to
contextid int   //The node contextid
contextlevel int   //The node contextlevel
expanded int   //Is it expanded
branches list of (
string  Optional //Nothing really, it will always be an empty array
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [branches] =>
        Array
            (
            [0] =>
                Array
                    (
                    [text] => string
                    [expandcontextid] => int
                    [expandelement] => string
                    [contextid] => int
                    [contextlevel] => int
                    [expanded] => int
                    [branches] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [text] => string
                                    [expandcontextid] => int
                                    [expandelement] => string
                                    [contextid] => int
                                    [contextlevel] => int
                                    [expanded] => int
                                    [branches] =>
                                        Array
                                            (
                                            [0] => string
                                            )
                                    )
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="branches">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="text">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="expandcontextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="expandelement">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextlevel">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="expanded">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="branches">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="text">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="expandcontextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="expandelement">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="contextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="contextlevel">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="expanded">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="branches">
                                    <MULTIPLE>
                                        <VALUE>string</VALUE>
                                    </MULTIPLE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_competencies_manage_page

Load the data for the competencies manage page template

Arguments

competencyframeworkid (Required)

The competency framework id

```
General structure

int   //The competency framework id
```

```
XML-RPC (PHP structure)

[competencyframeworkid] => int
```

```
REST (POST parameters)

competencyframeworkid= int
```

search (Default to "")

A search string

```
General structure

string  Default to "" //A search string
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

Response

?

General structure

```
object {
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
canmanage int   //True if this user has permission to manage competency frameworks
pagecontextid int   //Context id for the framework
search string   //Current search string
rulesmodules string   //JSON encoded data for rules
pluginbaseurl string   //Plugin base url
}
```

XML-RPC (PHP structure)

```
    Array
        (
        [framework] =>
            Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [scaleid] => int
                [scaleconfiguration] => string
                [contextid] => int
                [taxonomies] => string
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [canmanage] => int
                [competenciescount] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
        [canmanage] => int
        [pagecontextid] => int
        [search] => string
        [rulesmodules] => string
        [pluginbaseurl] => string
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="framework">
            <SINGLE>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scaleid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scaleconfiguration">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="taxonomies">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canmanage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="competenciescount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contextname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="search">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="rulesmodules">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message ?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_competency_frameworks_manage_page

Load the data for the competency frameworks manage page template

Arguments

pagecontext (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[pagecontext] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

pagecontext[contextid]= int
pagecontext[contextlevel]= string
pagecontext[instanceid]= int
```

Response

?

```
General structure

object {
competencyframeworks list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
)pluginbaseurl string   //Url to the tool_lp plugin folder on this Moodle site
navigation list of (
string   //HTML for a navigation item that should be on this page
)pagecontextid int   //The page context id
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [competencyframeworks] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [shortname] => string
                        [idnumber] => string
                        [description] => string
                        [descriptionformat] => int
                        [visible] => int
                        [scaleid] => int
                        [scaleconfiguration] => string
                        [contextid] => int
                        [taxonomies] => string
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        [canmanage] => int
                        [competenciescount] => int
                        [contextname] => string
                        [contextnamenoprefix] => string
                        )
                )
        [pluginbaseurl] => string
        [navigation] =>
            Array
                (
                [0] => string
                )
        [pagecontextid] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="competencyframeworks">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="taxonomies">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="competenciescount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextnamenoprefix">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="navigation">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_competency_summary

Load competency data for summary template.

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

includerelated (Default to "")

Include or not related competencies

```
General structure

int  Default to "" //Include or not related competencies
```

```
XML-RPC (PHP structure)

[includerelated] => int
```

```
REST (POST parameters)

includerelated= int
```

includecourses (Default to "")

Include or not competency courses

```
General structure

int  Default to "" //Include or not competency courses
```

```
XML-RPC (PHP structure)

[includecourses] => int
```

?

```
REST (POST parameters)

includecourses= int
```

Response

?

```
General structure

object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
```

?

```
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [linkedcourses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [summary] => string
                    [summaryformat] => int
                    [startdate] => int
                    [enddate] => int
                    [visible] => int
                    [showactivitydates] => int
                    [showcompletionconditions] => int
                    [pdfexportfont] => string
                    [fullnamedisplay] => string
                    [viewurl] => string
                    [courseimage] => string
                    [progress] => int
                    [hasprogress] => int
                    [isfavourite] => int
                    [hidden] => int
                    [timeaccess] => int
                    [showshortname] => int
                    [coursecategory] => string
                    )
            )
    [relatedcompetencies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            )
    [competency] =>
        Array
            (
            [shortname] => string
            [idnumber] => string
            [description] => string
            [descriptionformat] => int
            [sortorder] => int
            [parentid] => int
            [path] => string
            [ruleoutcome] => int
            [ruletype] => string
            [ruleconfig] => string
            [scaleid] => int
            [scaleconfiguration] => string
            [competencyframeworkid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            )
    [framework] =>
        Array
            (
            [shortname] => string
```

?

```
            [idnumber] => string
            [description] => string
            [descriptionformat] => int
            [visible] => int
            [scaleid] => int
            [scaleconfiguration] => string
            [contextid] => int
            [taxonomies] => string
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [canmanage] => int
            [competenciescount] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
        [hascourses] => int
        [hasrelatedcompetencies] => int
        [scaleid] => int
        [scaleconfiguration] => string
        [taxonomyterm] => string
        [comppath] =>
            Array
                (
                [ancestors] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [name] => string
                                [first] => int
                                [last] => int
                                [position] => int
                                )
                        )
                [framework] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [first] => int
                        [last] => int
                        [position] => int
                        )
                [pluginbaseurl] => string
                [pagecontextid] => int
                [showlinks] => int
                )
        [pluginbaseurl] => string
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="linkedcourses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="startdate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="enddate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showactivitydates">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showcompletionconditions">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pdfexportfont">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullnamedisplay">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="progress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hasprogress">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isfavourite">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timeaccess">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showshortname">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="coursecategory">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="relatedcompetencies">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
```


?

```
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="competency">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortorder">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="parentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="path">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleoutcome">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="ruletype">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleconfig">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
```


?

```
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="competencyframeworkid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="framework">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="hascourses">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hasrelatedcompetencies">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleconfiguration">
    <VALUE>string</VALUE>
```


?

```
        </KEY>
        <KEY name="taxonomyterm">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="comppath">
            <SINGLE>
                <KEY name="ancestors">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="first">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="last">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="position">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="framework">
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="first">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="last">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="position">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="pluginbaseurl">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="pagecontextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="showlinks">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

?

Yes

Callable from AJAX

Yes

tool_lp_data_for_course_competencies_page

Load the data for the course competencies page template.

Arguments

courseid (Required)

The course id

```
General structure

int   //The course id
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

moduleid (Default to "0")

The module id

```
General structure

int  Default to "0" //The module id
```

```
XML-RPC (PHP structure)

[moduleid] => int
```

```
REST (POST parameters)

moduleid= int
```

Response

?

```
General structure

object {
courseid int   //The current course id
pagecontextid int   //The current page context ID.
gradableuserid int  Optional //Current user id, if the user is a gradable user.
canmanagecompetencyframeworks int   //User can manage competency frameworks
canmanagecoursecompetencies int   //User can manage linked course competencies
canconfigurecoursecompetencies int   //User can configure course competency settings
cangradecompetencies int   //User can grade competencies.
settings object {
courseid int   //courseid
pushratingstouserplans int   //pushratingstouserplans
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
statistics object {
competencycount int   //competencycount
proficientcompetencycount int   //proficientcompetencycount
proficientcompetencypercentage double   //proficientcompetencypercentage
proficientcompetencypercentageformatted string   //proficientcompetencypercentageformatted
leastproficient   //leastproficient
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)leastproficientcount int   //leastproficientcount
canbegradedincourse int   //canbegradedincourse
canmanagecoursecompetencies int   //canmanagecoursecompetencies
}
competencies list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
coursecompetency object {
courseid int   //courseid
competencyid int   //competencyid
sortorder int   //sortorder
ruleoutcome int   //ruleoutcome
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
coursemodules list of (
object {
id int   //id
name string   //name
url string  Optional //url
iconurl string   //iconurl
```

?

```
}
)usercompetencycourse object {
userid int   //userid
courseid int   //courseid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
ruleoutcomeoptions list of (
object {
value int   //The option value
text string   //The name of the option
selected int   //If this is the currently selected option
}
)comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
plans list of (
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
```

?

```
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
)}
)manageurl string   //Url to the manage competencies page.
pluginbaseurl string   //Url to the course competencies page.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [courseid] => int
    [pagecontextid] => int
    [gradableuserid] => int
    [canmanagecompetencyframeworks] => int
    [canmanagecoursecompetencies] => int
    [canconfigurecoursecompetencies] => int
    [cangradecompetencies] => int
    [settings] =>
        Array
            (
            [courseid] => int
            [pushratingstouserplans] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            )
    [statistics] =>
        Array
            (
            [competencycount] => int
            [proficientcompetencycount] => int
            [proficientcompetencypercentage] => double
            [proficientcompetencypercentageformatted] => string
            [leastproficient] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            )
                    )
            [leastproficientcount] => int
            [canbegradedincourse] => int
            [canmanagecoursecompetencies] => int
            )
    [competencies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [competency] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            )
```

?

```
[coursecompetency] =>
    Array
        (
        [courseid] => int
        [competencyid] => int
        [sortorder] => int
        [ruleoutcome] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        )
[coursemodules] =>
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [url] => string
                [iconurl] => string
                )
        )
[usercompetencycourse] =>
    Array
        (
        [userid] => int
        [courseid] => int
        [competencyid] => int
        [proficiency] => int
        [grade] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        [gradename] => string
        [proficiencyname] => string
        )
[ruleoutcomeoptions] =>
    Array
        (
        [0] =>
            Array
                (
                [value] => int
                [text] => string
                [selected] => int
                )
        )
[comppath] =>
    Array
        (
        [ancestors] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [first] => int
                        [last] => int
                        [position] => int
                        )
                )
        [framework] =>
            Array
                (
                [id] => int
                [name] => string
                [first] => int
                [last] => int
                [position] => int
                )
        [pluginbaseurl] => string
        [pagecontextid] => int
        [showlinks] => int
        )
[plans] =>
    Array
        (
        [0] =>
            Array
                (
```

?

```
[name] => string
[description] => string
[descriptionformat] => int
[userid] => int
[templateid] => int
[origtemplateid] => int
[status] => int
[duedate] => int
[reviewerid] => int
[id] => int
[timecreated] => int
[timemodified] => int
[usermodified] => int
[statusname] => string
[isbasedontemplate] => int
[canmanage] => int
[canrequestreview] => int
[canreview] => int
[canbeedited] => int
[isactive] => int
[isdraft] => int
[iscompleted] => int
[isinreview] => int
[iswaitingforreview] => int
[isreopenallowed] => int
[iscompleteallowed] => int
[isunlinkallowed] => int
[isrequestreviewallowed] => int
[iscancelreviewrequestallowed] => int
[isstartreviewallowed] => int
[isstopreviewallowed] => int
[isapproveallowed] => int
[isunapproveallowed] => int
[duedateformatted] => string
[commentarea] =>
    Array
        (
        [component] => string
        [commentarea] => string
        [itemid] => int
        [courseid] => int
        [contextid] => int
        [cid] => string
        [autostart] => int
        [canpost] => int
        [canview] => int
        [count] => int
        [collapsediconkey] => string
        [displaytotalcount] => int
        [displaycancel] => int
        [fullwidth] => int
        [linktext] => string
        [notoggle] => int
        [template] => string
        [canpostorhascomments] => int
        )
[reviewer] =>
    Array
        (
        [id] => int
        [email] => string
        [idnumber] => string
        [phone1] => string
        [phone2] => string
        [department] => string
        [institution] => string
        [fullname] => string
        [identity] => string
        [profileurl] => string
        [profileimageurl] => string
        [profileimageurlsmall] => string
        )
[template] =>
    Array
        (
        [shortname] => string
        [description] => string
        [descriptionformat] => int
        [duedate] => int
        [visible] => int
        [contextid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
```

?

```
                                        [duedateformatted] => string
                                        [cohortscount] => int
                                        [planscount] => int
                                        [canmanage] => int
                                        [canread] => int
                                        [contextname] => string
                                        [contextnamenoprefix] => string
                                        )
                                [url] => string
                                )
                        )
                )
        )
    [manageurl] => string
    [pluginbaseurl] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="gradableuserid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagecompetencyframeworks">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagecoursecompetencies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canconfigurecoursecompetencies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cangradecompetencies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="settings">
            <SINGLE>
                <KEY name="courseid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="pushratingstouserplans">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="statistics">
            <SINGLE>
                <KEY name="competencycount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="proficientcompetencycount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="proficientcompetencypercentage">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="proficientcompetencypercentageformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="leastproficient">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="idnumber">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="descriptionformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="sortorder">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="parentid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="path">
                                <VALUE>string</VALUE>
```


?

```
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="leastproficientcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canbegradedincourse">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagecoursecompetencies">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="competencies">
    <MULTIPLE>
        <SINGLE>
            <KEY name="competency">
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
```


?

```
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="coursecompetency">
        <SINGLE>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competencyid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="coursemodules">
        <MULTIPLE>
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="iconurl">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="usercompetencycourse">
        <SINGLE>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="courseid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competencyid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="proficiency">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="grade">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="gradename">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="proficiencyname">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="ruleoutcomeoptions">
        <MULTIPLE>
            <SINGLE>
                <KEY name="value">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="text">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="selected">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="comppath">
        <SINGLE>
            <KEY name="ancestors">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="first">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="last">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="position">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="framework">
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="first">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="last">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="position">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="pluginbaseurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="pagecontextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showlinks">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="plans">
```


?

```
<MULTIPLE>
    <SINGLE>
        <KEY name="name">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="templateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="origtemplateid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="statusname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isbasedontemplate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canbeedited">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isactive">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isdraft">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleted">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isreopenallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscompleteallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isunlinkallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isrequestreviewallowed">
            <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="email">
            <VALUE>string</VALUE>
        </KEY>
```


?

```
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
```


?

```
                                </SINGLE>
                            </KEY>
                            <KEY name="url">
                                <VALUE>string</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="manageurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="pluginbaseurl">
        <VALUE>string</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_plan_page

Load the data for the plan page template.

Arguments

planid (Required)

The plan id

```
General structure

int   //The plan id
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

?

```
General structure

object {
plan object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
```

?

```
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
contextid int   //Context ID.
pluginbaseurl string   //Plugin base URL.
competencies list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
```

?

```
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
statusname string   //statusname
url string   //url
}
usercompetencyplan object {
userid int   //userid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
planid int   //planid
sortorder int   //sortorder
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
}
)competencycount int   //Count of competencies
proficientcompetencycount int   //Count of proficientcompetencies
proficientcompetencypercentage double   //Percentage of competencies proficient
proficientcompetencypercentageformatted string   //Displayable percentage
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [plan] =>
        Array
            (
            [name] => string
            [description] => string
            [descriptionformat] => int
            [userid] => int
            [templateid] => int
            [origtemplateid] => int
            [status] => int
            [duedate] => int
            [reviewerid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [statusname] => string
            [isbasedontemplate] => int
            [canmanage] => int
            [canrequestreview] => int
            [canreview] => int
            [canbeedited] => int
            [isactive] => int
            [isdraft] => int
            [iscompleted] => int
            [isinreview] => int
            [iswaitingforreview] => int
            [isreopenallowed] => int
            [iscompleteallowed] => int
            [isunlinkallowed] => int
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isapproveallowed] => int
            [isunapproveallowed] => int
            [duedateformatted] => string
            [commentarea] =>
                Array
                    (
                    [component] => string
                    [commentarea] => string
                    [itemid] => int
                    [courseid] => int
                    [contextid] => int
                    [cid] => string
                    [autostart] => int
                    [canpost] => int
                    [canview] => int
                    [count] => int
                    [collapsediconkey] => string
                    [displaytotalcount] => int
                    [displaycancel] => int
                    [fullwidth] => int
                    [linktext] => string
                    [notoggle] => int
                    [template] => string
                    [canpostorhascomments] => int
                    )
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [template] =>
                Array
                    (
                    [shortname] => string
                    [description] => string
```

?

```
                [descriptionformat] => int
                [duedate] => int
                [visible] => int
                [contextid] => int
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [duedateformatted] => string
                [cohortscount] => int
                [planscount] => int
                [canmanage] => int
                [canread] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
        [url] => string
        )
[contextid] => int
[pluginbaseurl] => string
[competencies] =>
    Array
        (
        [0] =>
            Array
                (
                [competency] =>
                    Array
                        (
                        [shortname] => string
                        [idnumber] => string
                        [description] => string
                        [descriptionformat] => int
                        [sortorder] => int
                        [parentid] => int
                        [path] => string
                        [ruleoutcome] => int
                        [ruletype] => string
                        [ruleconfig] => string
                        [scaleid] => int
                        [scaleconfiguration] => string
                        [competencyframeworkid] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        )
                [comppath] =>
                    Array
                        (
                        [ancestors] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [id] => int
                                        [name] => string
                                        [first] => int
                                        [last] => int
                                        [position] => int
                                        )
                                )
                        [framework] =>
                            Array
                                (
                                [id] => int
                                [name] => string
                                [first] => int
                                [last] => int
                                [position] => int
                                )
                        [pluginbaseurl] => string
                        [pagecontextid] => int
                        [showlinks] => int
                        )
                [usercompetency] =>
                    Array
                        (
                        [userid] => int
                        [competencyid] => int
                        [status] => int
                        [reviewerid] => int
                        [proficiency] => int
                        [grade] => int
```

?

```
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        [canrequestreview] => int
                        [canreview] => int
                        [gradename] => string
                        [isrequestreviewallowed] => int
                        [iscancelreviewrequestallowed] => int
                        [isstartreviewallowed] => int
                        [isstopreviewallowed] => int
                        [isstatusidle] => int
                        [isstatusinreview] => int
                        [isstatuswaitingforreview] => int
                        [proficiencyname] => string
                        [reviewer] =>
                            Array
                                (
                                [id] => int
                                [email] => string
                                [idnumber] => string
                                [phone1] => string
                                [phone2] => string
                                [department] => string
                                [institution] => string
                                [fullname] => string
                                [identity] => string
                                [profileurl] => string
                                [profileimageurl] => string
                                [profileimageurlsmall] => string
                                )
                        [statusname] => string
                        [url] => string
                        )
                [usercompetencyplan] =>
                    Array
                        (
                        [userid] => int
                        [competencyid] => int
                        [proficiency] => int
                        [grade] => int
                        [planid] => int
                        [sortorder] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        [gradename] => string
                        [proficiencyname] => string
                        )
                )
            )
        [competencycount] => int
        [proficientcompetencycount] => int
        [proficientcompetencypercentage] => double
        [proficientcompetencypercentageformatted] => string
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="plan">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="templateid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="origtemplateid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="status">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="duedate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="reviewerid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="statusname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="isbasedontemplate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canmanage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canrequestreview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canreview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canbeedited">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isactive">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isdraft">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="iscompleted">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isinreview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="iswaitingforreview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="isreopenallowed">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="iscompleteallowed">
                    <VALUE>int</VALUE>
                </KEY>
```


?

```
<KEY name="isunlinkallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="email">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone1">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="phone2">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="department">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="institution">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="identity">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurlsmall">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="template">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="duedateformatted">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="cohortscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="planscount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canread">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
```


?

```
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="url">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="contextid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="pluginbaseurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="competencies">
    <MULTIPLE>
        <SINGLE>
            <KEY name="competency">
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="comppath">
                <SINGLE>
                    <KEY name="ancestors">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
```


?

```
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="first">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="last">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="position">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="framework">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="first">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="last">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="position">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="showlinks">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="usercompetency">
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficiency">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
```


?

```
            <KEY name="isrequestreviewallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="iscancelreviewrequestallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstartreviewallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstopreviewallowed">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstatusidle">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstatusinreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isstatuswaitingforreview">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="proficiencyname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="reviewer">
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="department">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="institution">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="identity">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="statusname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="usercompetencyplan">
        <SINGLE>
            <KEY name="userid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competencyid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="proficiency">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="grade">
                <VALUE>int</VALUE>
```


?

```
                        </KEY>
                        <KEY name="planid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="sortorder">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="usermodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="gradename">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="proficiencyname">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="competencycount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="proficientcompetencycount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="proficientcompetencypercentage">
        <VALUE>double</VALUE>
    </KEY>
    <KEY name="proficientcompetencypercentageformatted">
        <VALUE>string</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_plans_page

Load the data for the plans page template

Arguments

userid (Required) ?

The user id

General structure

```
int   //The user id
```

XML-RPC (PHP structure)

```
[userid] => int
```

REST (POST parameters)

```
userid= int
```

Response

?

```
General structure

object {
userid int   //The learning plan user id
plans list of (
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
```

?

```
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
)pluginbaseurl string   //Url to the tool_lp plugin folder on this Moodle site
navigation list of (
string   //HTML for a navigation item that should be on this page
)canreaduserevidence int   //Can the current user view the user's evidence
canmanageuserplans int   //Can the current user manage the user's plans
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [userid] => int
    [plans] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [userid] => int
                    [templateid] => int
                    [origtemplateid] => int
                    [status] => int
                    [duedate] => int
                    [reviewerid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [statusname] => string
                    [isbasedontemplate] => int
                    [canmanage] => int
                    [canrequestreview] => int
                    [canreview] => int
                    [canbeedited] => int
                    [isactive] => int
                    [isdraft] => int
                    [iscompleted] => int
                    [isinreview] => int
                    [iswaitingforreview] => int
                    [isreopenallowed] => int
                    [iscompleteallowed] => int
                    [isunlinkallowed] => int
                    [isrequestreviewallowed] => int
                    [iscancelreviewrequestallowed] => int
                    [isstartreviewallowed] => int
                    [isstopreviewallowed] => int
                    [isapproveallowed] => int
                    [isunapproveallowed] => int
                    [duedateformatted] => string
                    [commentarea] =>
                        Array
                            (
                            [component] => string
                            [commentarea] => string
                            [itemid] => int
                            [courseid] => int
                            [contextid] => int
                            [cid] => string
                            [autostart] => int
                            [canpost] => int
                            [canview] => int
                            [count] => int
                            [collapsediconkey] => string
                            [displaytotalcount] => int
                            [displaycancel] => int
                            [fullwidth] => int
                            [linktext] => string
                            [notoggle] => int
                            [template] => string
                            [canpostorhascomments] => int
                            )
                    [reviewer] =>
                        Array
                            (
                            [id] => int
                            [email] => string
                            [idnumber] => string
                            [phone1] => string
                            [phone2] => string
                            [department] => string
                            [institution] => string
                            [fullname] => string
                            [identity] => string
                            [profileurl] => string
                            [profileimageurl] => string
                            [profileimageurlsmall] => string
                            )
                    [template] =>
```

?

```
                        Array
                            (
                            [shortname] => string
                            [description] => string
                            [descriptionformat] => int
                            [duedate] => int
                            [visible] => int
                            [contextid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            [duedateformatted] => string
                            [cohortscount] => int
                            [planscount] => int
                            [canmanage] => int
                            [canread] => int
                            [contextname] => string
                            [contextnamenoprefix] => string
                            )
                    [url] => string
                    )
            )
    [pluginbaseurl] => string
    [navigation] =>
        Array
            (
            [0] => string
            )
    [canreaduserevidence] => int
    [canmanageuserplans] => int
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="plans">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="templateid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="origtemplateid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="duedate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="reviewerid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="statusname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isbasedontemplate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canrequestreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canbeedited">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isactive">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isdraft">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iscompleted">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isinreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="iswaitingforreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isreopenallowed">
                        <VALUE>int</VALUE>
```


?

```
</KEY>
<KEY name="iscompleteallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunlinkallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isrequestreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="iscancelreviewrequestallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstartreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isstopreviewallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="isunapproveallowed">
    <VALUE>int</VALUE>
</KEY>
<KEY name="duedateformatted">
    <VALUE>string</VALUE>
</KEY>
<KEY name="commentarea">
    <SINGLE>
        <KEY name="component">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="commentarea">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="itemid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canpost">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="collapsediconkey">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="displaytotalcount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="displaycancel">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="fullwidth">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="notoggle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="template">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="canpostorhascomments">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
```


?

```
</KEY>
<KEY name="reviewer">
    <SINGLE>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="email">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="phone1">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="phone2">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="department">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="institution">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="fullname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="identity">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileimageurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="profileimageurlsmall">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="template">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedate">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="duedateformatted">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="cohortscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="planscount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
                        <KEY name="canread">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="contextname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="contextnamenoprefix">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="pluginbaseurl">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="navigation">
        <MULTIPLE>
            <VALUE>string</VALUE>
        </MULTIPLE>
    </KEY>
    <KEY name="canreaduserevidence">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="canmanageuserplans">
        <VALUE>int</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_related_competencies_section

Load the data for the related competencies template.

Arguments

competencyid (Required)

The competency id

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

?

```
REST (POST parameters)

competencyid= int
```

Response

```
General structure

object {
relatedcompetencies list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)showdeleterelatedaction int   //Whether to show the delete relation link or not
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [relatedcompetencies] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [shortname] => string
                        [idnumber] => string
                        [description] => string
                        [descriptionformat] => int
                        [sortorder] => int
                        [parentid] => int
                        [path] => string
                        [ruleoutcome] => int
                        [ruletype] => string
                        [ruleconfig] => string
                        [scaleid] => int
                        [scaleconfiguration] => string
                        [competencyframeworkid] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        )
                )
        [showdeleterelatedaction] => int
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="relatedcompetencies">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sortorder">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="parentid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="path">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleoutcome">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="ruletype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="ruleconfig">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="competencyframeworkid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="showdeleterelatedaction">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users
Yes

Callable from AJAX
Yes

tool_lp_data_for_template_competencies_page

Load the data for the template competencies page template.

Arguments
templateid (Required)

The template id

```
General structure

int   //The template id
```

```
XML-RPC (PHP structure)

[templateid] => int
```

```
REST (POST parameters)

templateid= int
```

pagecontext (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[pagecontext] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

pagecontext[contextid]= int
pagecontext[contextlevel]= string
pagecontext[instanceid]= int
```

Response

?

```
General structure

object {
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
pagecontextid int   //Context ID
canmanagecompetencyframeworks int   //User can manage competency frameworks
canmanagetemplatecompetencies int   //User can manage learning plan templates
competencies list of (
object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
```

?

```
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
}
)manageurl string   //Url to the manage competencies page.
pluginbaseurl string   //Base URL of the plugin.
statistics object {
competencycount int   //competencycount
unlinkedcompetencycount int   //unlinkedcompetencycount
plancount int   //plancount
completedplancount int   //completedplancount
usercompetencyplancount int   //usercompetencyplancount
proficientusercompetencyplancount int   //proficientusercompetencyplancount
linkedcompetencypercentage double   //linkedcompetencypercentage
linkedcompetencypercentageformatted string   //linkedcompetencypercentageformatted
linkedcompetencycount int   //linkedcompetencycount
completedplanpercentage double   //completedplanpercentage
completedplanpercentageformatted string   //completedplanpercentageformatted
proficientusercompetencyplanpercentage double   //proficientusercompetencyplanpercentage
proficientusercompetencyplanpercentageformatted string   //proficientusercompetencyplanpercentageformatted
leastproficient   //leastproficient
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
```

?

```
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)least proficientcount int   //leastproficientcount
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [template] =>
        Array
            (
            [shortname] => string
            [description] => string
            [descriptionformat] => int
            [duedate] => int
            [visible] => int
            [contextid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [duedateformatted] => string
            [cohortscount] => int
            [planscount] => int
            [canmanage] => int
            [canread] => int
            [contextname] => string
            [contextnamenoprefix] => string
            )
    [pagecontextid] => int
    [canmanagecompetencyframeworks] => int
    [canmanagetemplatecompetencies] => int
    [competencies] =>
        Array
            (
            [0] =>
                Array
                    (
                    [linkedcourses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    [shortname] => string
                                    [idnumber] => string
                                    [summary] => string
                                    [summaryformat] => int
                                    [startdate] => int
                                    [enddate] => int
                                    [visible] => int
                                    [showactivitydates] => int
                                    [showcompletionconditions] => int
                                    [pdfexportfont] => string
                                    [fullnamedisplay] => string
                                    [viewurl] => string
                                    [courseimage] => string
                                    [progress] => int
                                    [hasprogress] => int
                                    [isfavourite] => int
                                    [hidden] => int
                                    [timeaccess] => int
                                    [showshortname] => int
                                    [coursecategory] => string
                                    )
                            )
                    [relatedcompetencies] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [shortname] => string
                                    [idnumber] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [sortorder] => int
                                    [parentid] => int
                                    [path] => string
                                    [ruleoutcome] => int
                                    [ruletype] => string
                                    [ruleconfig] => string
                                    [scaleid] => int
                                    [scaleconfiguration] => string
                                    [competencyframeworkid] => int
                                    [id] => int
```

?

```
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
                )
            [competency] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    )
            [framework] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [visible] => int
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [contextid] => int
                    [taxonomies] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [canmanage] => int
                    [competenciescount] => int
                    [contextname] => string
                    [contextnamenoprefix] => string
                    )
            [hascourses] => int
            [hasrelatedcompetencies] => int
            [scaleid] => int
            [scaleconfiguration] => string
            [taxonomyterm] => string
            [comppath] =>
                Array
                    (
                    [ancestors] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [first] => int
                                    [last] => int
                                    [position] => int
                                    )
                            )
                    [framework] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [first] => int
                            [last] => int
                            [position] => int
                            )
                    [pluginbaseurl] => string
                    [pagecontextid] => int
                    [showlinks] => int
                    )
            [pluginbaseurl] => string
            )
        )
    [manageurl] => string
```

?

```
    [pluginbaseurl] => string
    [statistics] =>
        Array
            (
            [competencycount] => int
            [unlinkedcompetencycount] => int
            [plancount] => int
            [completedplancount] => int
            [usercompetencyplancount] => int
            [proficientusercompetencyplancount] => int
            [linkedcompetencypercentage] => double
            [linkedcompetencypercentageformatted] => string
            [linkedcompetencycount] => int
            [completedplanpercentage] => double
            [completedplanpercentageformatted] => string
            [proficientusercompetencyplanpercentage] => double
            [proficientusercompetencyplanpercentageformatted] => string
            [leastproficient] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            )
                    )
            [leastproficientcount] => int
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="template">
            <SINGLE>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="duedate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="visible">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="duedateformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="cohortscount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="planscount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canmanage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canread">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="contextname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextnamenoprefix">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagecompetencyframeworks">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanagetemplatecompetencies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencies">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="linkedcourses">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="fullname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="shortname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="idnumber">
```


?

```
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="relatedcompetencies">
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="ruletype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ruleconfig">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="scaleid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scaleconfiguration">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="competencyframeworkid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="competency">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
```


?

```
</KEY>
<KEY name="framework">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="visible">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="scaleconfiguration">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="taxonomies">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competenciescount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="contextnamenoprefix">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="hascourses">
    <VALUE>int</VALUE>
</KEY>
<KEY name="hasrelatedcompetencies">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleid">
    <VALUE>int</VALUE>
</KEY>
<KEY name="scaleconfiguration">
    <VALUE>string</VALUE>
</KEY>
<KEY name="taxonomyterm">
    <VALUE>string</VALUE>
</KEY>
<KEY name="comppath">
    <SINGLE>
        <KEY name="ancestors">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="first">
                        <VALUE>int</VALUE>
                    </KEY>
```


?

```
                                <KEY name="last">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="position">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="framework">
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="first">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="last">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="position">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </KEY>
                    <KEY name="pluginbaseurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="pagecontextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="showlinks">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </KEY>
            <KEY name="pluginbaseurl">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="manageurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="pluginbaseurl">
    <VALUE>string</VALUE>
</KEY>
<KEY name="statistics">
    <SINGLE>
        <KEY name="competencycount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="unlinkedcompetencycount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="plancount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="completedplancount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usercompetencyplancount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficientusercompetencyplancount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="linkedcompetencypercentage">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="linkedcompetencypercentageformatted">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="linkedcompetencycount">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="completedplanpercentage">
            <VALUE>double</VALUE>
        </KEY>
        <KEY name="completedplanpercentageformatted">
            <VALUE>string</VALUE>
```


?

```
                </KEY>
                <KEY name="proficientusercompetencyplanpercentage">
                    <VALUE>double</VALUE>
                </KEY>
                <KEY name="proficientusercompetencyplanpercentageformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="leastproficient">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="idnumber">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="description">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="descriptionformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="sortorder">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="parentid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="path">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="ruleoutcome">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="ruletype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="ruleconfig">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="scaleid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="scaleconfiguration">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="competencyframeworkid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="usermodified">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="leastproficientcount">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_templates_manage_page

Load the data for the learning plan templates manage page template

Arguments

pagecontext (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[pagecontext] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

pagecontext[contextid]= int
pagecontext[contextlevel]= string
pagecontext[instanceid]= int
```

Response

?

```
General structure

object {
templates list of (
object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
)pluginbaseurl string   //Url to the tool_lp plugin folder on this Moodle site
navigation list of (
string   //HTML for a navigation item that should be on this page
)pagecontextid int   //The page context id
canmanage int   //Whether the user manage the templates
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [templates] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [shortname] => string
                        [description] => string
                        [descriptionformat] => int
                        [duedate] => int
                        [visible] => int
                        [contextid] => int
                        [id] => int
                        [timecreated] => int
                        [timemodified] => int
                        [usermodified] => int
                        [duedateformatted] => string
                        [cohortscount] => int
                        [planscount] => int
                        [canmanage] => int
                        [canread] => int
                        [contextname] => string
                        [contextnamenoprefix] => string
                        )
                )
        [pluginbaseurl] => string
        [navigation] =>
            Array
                (
                [0] => string
                )
        [pagecontextid] => int
        [canmanage] => int
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templates">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="shortname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="duedate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="duedateformatted">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="cohortscount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="planscount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="contextnamenoprefix">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="navigation">
            <MULTIPLE>
                <VALUE>string</VALUE>
            </MULTIPLE>
        </KEY>
        <KEY name="pagecontextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_user_competency_summary

Load a summary of a user competency.

Arguments

userid (Required)

Data base record id for the user

```
General structure

int   //Data base record id for the user
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

Data base record id for the competency

```
General structure

int   //Data base record id for the competency
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

Response

?

```
General structure

object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
```

?

```
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
}
user object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
statusname string   //statusname
```

?

```
url string   //url
}
usercompetencyplan object {
userid int   //userid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
planid int   //planid
sortorder int   //sortorder
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
usercompetencycourse object {
userid int   //userid
courseid int   //courseid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
evidence   //evidence
list of (
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
)commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
```

?

```
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [showrelatedcompetencies] => int
    [cangrade] => int
    [competency] =>
        Array
            (
            [linkedcourses] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [summary] => string
                            [summaryformat] => int
                            [startdate] => int
                            [enddate] => int
                            [visible] => int
                            [showactivitydates] => int
                            [showcompletionconditions] => int
                            [pdfexportfont] => string
                            [fullnamedisplay] => string
                            [viewurl] => string
                            [courseimage] => string
                            [progress] => int
                            [hasprogress] => int
                            [isfavourite] => int
                            [hidden] => int
                            [timeaccess] => int
                            [showshortname] => int
                            [coursecategory] => string
                            )
                    )
            [relatedcompetencies] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            )
                    )
            [competency] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [sortorder] => int
                    [parentid] => int
                    [path] => string
                    [ruleoutcome] => int
                    [ruletype] => string
                    [ruleconfig] => string
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [competencyframeworkid] => int
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
```

?

```
                )
            [framework] =>
                Array
                    (
                    [shortname] => string
                    [idnumber] => string
                    [description] => string
                    [descriptionformat] => int
                    [visible] => int
                    [scaleid] => int
                    [scaleconfiguration] => string
                    [contextid] => int
                    [taxonomies] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [canmanage] => int
                    [competenciescount] => int
                    [contextname] => string
                    [contextnamenoprefix] => string
                    )
            [hascourses] => int
            [hasrelatedcompetencies] => int
            [scaleid] => int
            [scaleconfiguration] => string
            [taxonomyterm] => string
            [comppath] =>
                Array
                    (
                    [ancestors] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [name] => string
                                    [first] => int
                                    [last] => int
                                    [position] => int
                                    )
                            )
                    [framework] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [first] => int
                            [last] => int
                            [position] => int
                            )
                    [pluginbaseurl] => string
                    [pagecontextid] => int
                    [showlinks] => int
                    )
            [pluginbaseurl] => string
            )
        [user] =>
            Array
                (
                [id] => int
                [email] => string
                [idnumber] => string
                [phone1] => string
                [phone2] => string
                [department] => string
                [institution] => string
                [fullname] => string
                [identity] => string
                [profileurl] => string
                [profileimageurl] => string
                [profileimageurlsmall] => string
                )
        [usercompetency] =>
            Array
                (
                [userid] => int
                [competencyid] => int
                [status] => int
                [reviewerid] => int
                [proficiency] => int
                [grade] => int
                [id] => int
                [timecreated] => int
```

?

```
            [timemodified] => int
            [usermodified] => int
            [canrequestreview] => int
            [canreview] => int
            [gradename] => string
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isstatusidle] => int
            [isstatusinreview] => int
            [isstatuswaitingforreview] => int
            [proficiencyname] => string
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [statusname] => string
            [url] => string
            )
        [usercompetencyplan] =>
            Array
            (
            [userid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [planid] => int
            [sortorder] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [usercompetencycourse] =>
            Array
            (
            [userid] => int
            [courseid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [evidence] =>
            Array
            (
            [0] =>
                Array
                    (
                    [usercompetencyid] => int
                    [contextid] => int
                    [action] => int
                    [actionuserid] => int
                    [descidentifier] => string
                    [desccomponent] => string
                    [desca] => string
                    [url] => string
                    [grade] => int
                    [note] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [actionuser] =>
                        Array
```

?

```
                            (
                            [id] => int
                            [email] => string
                            [idnumber] => string
                            [phone1] => string
                            [phone2] => string
                            [department] => string
                            [institution] => string
                            [fullname] => string
                            [identity] => string
                            [profileurl] => string
                            [profileimageurl] => string
                            [profileimageurlsmall] => string
                            )
                    [description] => string
                    [gradename] => string
                    [userdate] => string
                    [candelete] => int
                    )
            )
    [commentarea] =>
        Array
            (
            [component] => string
            [commentarea] => string
            [itemid] => int
            [courseid] => int
            [contextid] => int
            [cid] => string
            [autostart] => int
            [canpost] => int
            [canview] => int
            [count] => int
            [collapsediconkey] => string
            [displaytotalcount] => int
            [displaycancel] => int
            [fullwidth] => int
            [linktext] => string
            [notoggle] => int
            [template] => string
            [canpostorhascomments] => int
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="showrelatedcompetencies">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cangrade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competency">
            <SINGLE>
                <KEY name="linkedcourses">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="id">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="idnumber">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="summary">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="summaryformat">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="startdate">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="enddate">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="visible">
                                <VALUE>int</VALUE>
                            </KEY>
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```


?

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```


?

```
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        <KEY name="timemodified">
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        </KEY>
        <KEY name="usermodified">
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    </SINGLE>
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        </KEY>
        <KEY name="contextid">
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        </KEY>
        <KEY name="taxonomies">
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        </KEY>
        <KEY name="id">
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        </KEY>
        <KEY name="timecreated">
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        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
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        </KEY>
        <KEY name="canmanage">
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        </KEY>
        <KEY name="competenciescount">
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        <KEY name="contextname">
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        </KEY>
        <KEY name="contextnamenoprefix">
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</KEY>
```


?

```
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            </KEY>
            <KEY name="scaleid">
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            </KEY>
            <KEY name="scaleconfiguration">
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            </KEY>
            <KEY name="taxonomyterm">
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            </KEY>
            <KEY name="comppath">
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                        <MULTIPLE>
                            <SINGLE>
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                                </KEY>
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                        <SINGLE>
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                    </KEY>
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```


?

```
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            </KEY>
            <KEY name="institution">
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            </KEY>
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            </KEY>
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            </KEY>
            <KEY name="profileurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="profileimageurl">
                <VALUE>string</VALUE>
            </KEY>
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            </KEY>
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    </KEY>
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            </KEY>
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            </KEY>
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            </KEY>
            <KEY name="grade">
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?

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```


?

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            <KEY name="courseid">
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            </KEY>
            <KEY name="proficiency">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="grade">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
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            </KEY>
            <KEY name="timecreated">
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            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="gradename">
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            </KEY>
            <KEY name="proficiencyname">
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            </KEY>
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                </KEY>
                <KEY name="desccomponent">
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                </KEY>
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                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="grade">
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                </KEY>
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                <KEY name="timecreated">
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                <KEY name="timemodified">
```


?

```
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                    <KEY name="phone2">
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                    <KEY name="profileimageurlsmall">
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            <KEY name="gradename">
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        <KEY name="contextid">
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        </KEY>
        <KEY name="cid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autostart">
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        </KEY>
        <KEY name="canpost">
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```


?

```
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                </KEY>
                <KEY name="notoggle">
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                </KEY>
                <KEY name="template">
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                </KEY>
                <KEY name="canpostorhascomments">
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                </KEY>
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        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_user_competency_summary_in_course

Load a summary of a user competency.

Arguments

userid (Required)

Data base record id for the user

```
General structure

int   //Data base record id for the user
```

?

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

competencyid (Required)

Data base record id for the competency

```
General structure

int   //Data base record id for the competency
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

courseid (Required)

Data base record id for the course

```
General structure

int   //Data base record id for the course
```

```
XML-RPC (PHP structure)

[courseid] => int
```

```
REST (POST parameters)

courseid= int
```

Response

?

```
General structure

object {
usercompetencysummary object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
```

?

```
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
}
user object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
```

?

```
statusname string   //statusname
url string   //url
}
usercompetencyplan object {
userid int   //userid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
planid int   //planid
sortorder int   //sortorder
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
usercompetencycourse object {
userid int   //userid
courseid int   //courseid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
evidence   //evidence
list of (
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
)commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
```

?

```
}
}
course object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
coursemodules   //coursemodules
list of (
object {
id int   //id
name string   //name
url string  Optional //url
iconurl string   //iconurl
}
)plans   //plans
list of (
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
```

?

```
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
)pluginbaseurl string   //pluginbaseurl
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [usercompetencysummary] =>
        Array
            (
            [showrelatedcompetencies] => int
            [cangrade] => int
            [competency] =>
                Array
                    (
                    [linkedcourses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    [shortname] => string
                                    [idnumber] => string
                                    [summary] => string
                                    [summaryformat] => int
                                    [startdate] => int
                                    [enddate] => int
                                    [visible] => int
                                    [showactivitydates] => int
                                    [showcompletionconditions] => int
                                    [pdfexportfont] => string
                                    [fullnamedisplay] => string
                                    [viewurl] => string
                                    [courseimage] => string
                                    [progress] => int
                                    [hasprogress] => int
                                    [isfavourite] => int
                                    [hidden] => int
                                    [timeaccess] => int
                                    [showshortname] => int
                                    [coursecategory] => string
                                    )
                            )
                    [relatedcompetencies] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [shortname] => string
                                    [idnumber] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [sortorder] => int
                                    [parentid] => int
                                    [path] => string
                                    [ruleoutcome] => int
                                    [ruletype] => string
                                    [ruleconfig] => string
                                    [scaleid] => int
                                    [scaleconfiguration] => string
                                    [competencyframeworkid] => int
                                    [id] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [usermodified] => int
                                    )
                            )
                    [competency] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
```

?

```
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                )
            [framework] =>
                Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [scaleid] => int
                [scaleconfiguration] => string
                [contextid] => int
                [taxonomies] => string
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [canmanage] => int
                [competenciescount] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
            [hascourses] => int
            [hasrelatedcompetencies] => int
            [scaleid] => int
            [scaleconfiguration] => string
            [taxonomyterm] => string
            [comppath] =>
                Array
                (
                [ancestors] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [name] => string
                                [first] => int
                                [last] => int
                                [position] => int
                                )
                        )
                [framework] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [first] => int
                        [last] => int
                        [position] => int
                        )
                [pluginbaseurl] => string
                [pagecontextid] => int
                [showlinks] => int
                )
            [pluginbaseurl] => string
            )
        [user] =>
            Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
        [usercompetency] =>
            Array
            (
            [userid] => int
            [competencyid] => int
            [status] => int
            [reviewerid] => int
            [proficiency] => int
```

?

```
            [grade] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [canrequestreview] => int
            [canreview] => int
            [gradename] => string
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isstatusidle] => int
            [isstatusinreview] => int
            [isstatuswaitingforreview] => int
            [proficiencyname] => string
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [statusname] => string
            [url] => string
            )
        [usercompetencyplan] =>
            Array
            (
            [userid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [planid] => int
            [sortorder] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [usercompetencycourse] =>
            Array
            (
            [userid] => int
            [courseid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [evidence] =>
            Array
            (
            [0] =>
                Array
                    (
                    [usercompetencyid] => int
                    [contextid] => int
                    [action] => int
                    [actionuserid] => int
                    [descidentifier] => string
                    [desccomponent] => string
                    [desca] => string
                    [url] => string
                    [grade] => int
                    [note] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
```

?

```
                        [usermodified] => int
                        [actionuser] =>
                            Array
                                (
                                [id] => int
                                [email] => string
                                [idnumber] => string
                                [phone1] => string
                                [phone2] => string
                                [department] => string
                                [institution] => string
                                [fullname] => string
                                [identity] => string
                                [profileurl] => string
                                [profileimageurl] => string
                                [profileimageurlsmall] => string
                                )
                        [description] => string
                        [gradename] => string
                        [userdate] => string
                        [candelete] => int
                        )
                )
        [commentarea] =>
            Array
                (
                [component] => string
                [commentarea] => string
                [itemid] => int
                [courseid] => int
                [contextid] => int
                [cid] => string
                [autostart] => int
                [canpost] => int
                [canview] => int
                [count] => int
                [collapsediconkey] => string
                [displaytotalcount] => int
                [displaycancel] => int
                [fullwidth] => int
                [linktext] => string
                [notoggle] => int
                [template] => string
                [canpostorhascomments] => int
                )
        )
    [course] =>
        Array
            (
            [id] => int
            [fullname] => string
            [shortname] => string
            [idnumber] => string
            [summary] => string
            [summaryformat] => int
            [startdate] => int
            [enddate] => int
            [visible] => int
            [showactivitydates] => int
            [showcompletionconditions] => int
            [pdfexportfont] => string
            [fullnamedisplay] => string
            [viewurl] => string
            [courseimage] => string
            [progress] => int
            [hasprogress] => int
            [isfavourite] => int
            [hidden] => int
            [timeaccess] => int
            [showshortname] => int
            [coursecategory] => string
            )
    [coursemodules] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [url] => string
                    [iconurl] => string
                    )
            )
    [plans] =>
```

?

```
Array
    (
    [0] =>
        Array
            (
            [name] => string
            [description] => string
            [descriptionformat] => int
            [userid] => int
            [templateid] => int
            [origtemplateid] => int
            [status] => int
            [duedate] => int
            [reviewerid] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [statusname] => string
            [isbasedontemplate] => int
            [canmanage] => int
            [canrequestreview] => int
            [canreview] => int
            [canbeedited] => int
            [isactive] => int
            [isdraft] => int
            [iscompleted] => int
            [isinreview] => int
            [iswaitingforreview] => int
            [isreopenallowed] => int
            [iscompleteallowed] => int
            [isunlinkallowed] => int
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isapproveallowed] => int
            [isunapproveallowed] => int
            [duedateformatted] => string
            [commentarea] =>
                Array
                    (
                    [component] => string
                    [commentarea] => string
                    [itemid] => int
                    [courseid] => int
                    [contextid] => int
                    [cid] => string
                    [autostart] => int
                    [canpost] => int
                    [canview] => int
                    [count] => int
                    [collapsediconkey] => string
                    [displaytotalcount] => int
                    [displaycancel] => int
                    [fullwidth] => int
                    [linktext] => string
                    [notoggle] => int
                    [template] => string
                    [canpostorhascomments] => int
                    )
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [template] =>
                Array
                    (
                    [shortname] => string
                    [description] => string
                    [descriptionformat] => int
                    [duedate] => int
                    [visible] => int
```

?

```
                            [contextid] => int
                            [id] => int
                            [timecreated] => int
                            [timemodified] => int
                            [usermodified] => int
                            [duedateformatted] => string
                            [cohortscount] => int
                            [planscount] => int
                            [canmanage] => int
                            [canread] => int
                            [contextname] => string
                            [contextnamenoprefix] => string
                            )
                    [url] => string
                    )
            )
    [pluginbaseurl] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usercompetencysummary">
            <SINGLE>
                <KEY name="showrelatedcompetencies">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="cangrade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="competency">
                    <SINGLE>
                        <KEY name="linkedcourses">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="fullname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="shortname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="idnumber">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="summary">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="summaryformat">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="startdate">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="enddate">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="visible">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showactivitydates">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showcompletionconditions">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="pdfexportfont">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="fullnamedisplay">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="viewurl">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="courseimage">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="progress">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="hasprogress">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="isfavourite">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="hidden">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="timeaccess">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showshortname">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="coursecategory">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
```


?

```
    </MULTIPLE>
</KEY>
<KEY name="relatedcompetencies">
    <MULTIPLE>
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="competency">
    <SINGLE>
        <KEY name="shortname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="idnumber">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="description">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="descriptionformat">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="sortorder">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="parentid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="path">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="ruleoutcome">
            <VALUE>int</VALUE>
        </KEY>
```


?

```
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="framework">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="taxonomies">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competenciescount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="hascourses">
```


?

```
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasrelatedcompetencies">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="taxonomyterm">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="comppath">
                <SINGLE>
                    <KEY name="ancestors">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="id">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="first">
                                    <VALUE>int</VALUE>
                                </KEY>
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?

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?

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```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_user_competency_summary_in_plan ?

Load a summary of a user competency.

Arguments

competencyid (Required)

Data base record id for the competency

```
General structure

int   //Data base record id for the competency
```

```
XML-RPC (PHP structure)

[competencyid] => int
```

```
REST (POST parameters)

competencyid= int
```

planid (Required)

Data base record id for the plan

```
General structure

int   //Data base record id for the plan
```

```
XML-RPC (PHP structure)

[planid] => int
```

```
REST (POST parameters)

planid= int
```

Response

?

```
General structure

object {
usercompetencysummary object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses   //linkedcourses
list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)relatedcompetencies   //relatedcompetencies
list of (
object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
)competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
framework object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //visible
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
contextid int   //contextid
taxonomies string   //taxonomies
id int   //id
timecreated int   //timecreated
```

?

```
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competenciescount int   //competenciescount
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
hascourses int   //hascourses
hasrelatedcompetencies int   //hasrelatedcompetencies
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
taxonomyterm string   //taxonomyterm
comppath object {
ancestors   //ancestors
list of (
object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
)framework object {
id int   //id
name string   //name
first int   //first
last int   //last
position int   //position
}
pluginbaseurl string   //pluginbaseurl
pagecontextid int   //pagecontextid
showlinks int   //showlinks
}
pluginbaseurl string   //pluginbaseurl
}
user object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
```

?

```
statusname string   //statusname
url string   //url
}
usercompetencyplan object {
userid int   //userid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
planid int   //planid
sortorder int   //sortorder
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
usercompetencycourse object {
userid int   //userid
courseid int   //courseid
competencyid int   //competencyid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
gradename string   //gradename
proficiencyname string   //proficiencyname
}
evidence   //evidence
list of (
object {
usercompetencyid int   //usercompetencyid
contextid int   //contextid
action int   //action
actionuserid int   //actionuserid
descidentifier string   //descidentifier
desccomponent string   //desccomponent
desca string   //desca
url string   //url
grade int   //grade
note string   //note
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
actionuser object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
description string   //description
gradename string   //gradename
userdate string   //userdate
candelete int   //candelete
}
)commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
```

?

```
}
}
plan object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
userid int   //userid
templateid int   //templateid
origtemplateid int   //origtemplateid
status int   //status
duedate int   //duedate
reviewerid int   //reviewerid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
statusname string   //statusname
isbasedontemplate int   //isbasedontemplate
canmanage int   //canmanage
canrequestreview int   //canrequestreview
canreview int   //canreview
canbeedited int   //canbeedited
isactive int   //isactive
isdraft int   //isdraft
iscompleted int   //iscompleted
isinreview int   //isinreview
iswaitingforreview int   //iswaitingforreview
isreopenallowed int   //isreopenallowed
iscompleteallowed int   //iscompleteallowed
isunlinkallowed int   //isunlinkallowed
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isapproveallowed int   //isapproveallowed
isunapproveallowed int   //isunapproveallowed
duedateformatted string   //duedateformatted
commentarea object {
component string   //component
commentarea string   //commentarea
itemid int   //itemid
courseid int   //courseid
contextid int   //contextid
cid string   //cid
autostart int   //autostart
canpost int   //canpost
canview int   //canview
count int   //count
collapsediconkey string   //collapsediconkey
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
duedate int   //duedate
visible int   //visible
contextid int   //contextid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
duedateformatted string   //duedateformatted
cohortscount int   //cohortscount
planscount int   //planscount
```

?

```
canmanage int   //canmanage
canread int   //canread
contextname string   //contextname
contextnamenoprefix string   //contextnamenoprefix
}
url string   //url
}
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [usercompetencysummary] =>
        Array
            (
            [showrelatedcompetencies] => int
            [cangrade] => int
            [competency] =>
                Array
                    (
                    [linkedcourses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string
                                    [shortname] => string
                                    [idnumber] => string
                                    [summary] => string
                                    [summaryformat] => int
                                    [startdate] => int
                                    [enddate] => int
                                    [visible] => int
                                    [showactivitydates] => int
                                    [showcompletionconditions] => int
                                    [pdfexportfont] => string
                                    [fullnamedisplay] => string
                                    [viewurl] => string
                                    [courseimage] => string
                                    [progress] => int
                                    [hasprogress] => int
                                    [isfavourite] => int
                                    [hidden] => int
                                    [timeaccess] => int
                                    [showshortname] => int
                                    [coursecategory] => string
                                    )
                            )
                    [relatedcompetencies] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [shortname] => string
                                    [idnumber] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [sortorder] => int
                                    [parentid] => int
                                    [path] => string
                                    [ruleoutcome] => int
                                    [ruletype] => string
                                    [ruleconfig] => string
                                    [scaleid] => int
                                    [scaleconfiguration] => string
                                    [competencyframeworkid] => int
                                    [id] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [usermodified] => int
                                    )
                            )
                    [competency] =>
                        Array
                            (
                            [shortname] => string
                            [idnumber] => string
                            [description] => string
                            [descriptionformat] => int
                            [sortorder] => int
                            [parentid] => int
                            [path] => string
                            [ruleoutcome] => int
                            [ruletype] => string
                            [ruleconfig] => string
                            [scaleid] => int
                            [scaleconfiguration] => string
                            [competencyframeworkid] => int
                            [id] => int
```

?

```
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                )
            [framework] =>
                Array
                (
                [shortname] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => int
                [scaleid] => int
                [scaleconfiguration] => string
                [contextid] => int
                [taxonomies] => string
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [canmanage] => int
                [competenciescount] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
            [hascourses] => int
            [hasrelatedcompetencies] => int
            [scaleid] => int
            [scaleconfiguration] => string
            [taxonomyterm] => string
            [comppath] =>
                Array
                (
                [ancestors] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [id] => int
                                [name] => string
                                [first] => int
                                [last] => int
                                [position] => int
                                )
                        )
                [framework] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [first] => int
                        [last] => int
                        [position] => int
                        )
                [pluginbaseurl] => string
                [pagecontextid] => int
                [showlinks] => int
                )
            [pluginbaseurl] => string
            )
        [user] =>
            Array
            (
            [id] => int
            [email] => string
            [idnumber] => string
            [phone1] => string
            [phone2] => string
            [department] => string
            [institution] => string
            [fullname] => string
            [identity] => string
            [profileurl] => string
            [profileimageurl] => string
            [profileimageurlsmall] => string
            )
        [usercompetency] =>
            Array
            (
            [userid] => int
            [competencyid] => int
            [status] => int
            [reviewerid] => int
            [proficiency] => int
```

?

```
            [grade] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [canrequestreview] => int
            [canreview] => int
            [gradename] => string
            [isrequestreviewallowed] => int
            [iscancelreviewrequestallowed] => int
            [isstartreviewallowed] => int
            [isstopreviewallowed] => int
            [isstatusidle] => int
            [isstatusinreview] => int
            [isstatuswaitingforreview] => int
            [proficiencyname] => string
            [reviewer] =>
                Array
                    (
                    [id] => int
                    [email] => string
                    [idnumber] => string
                    [phone1] => string
                    [phone2] => string
                    [department] => string
                    [institution] => string
                    [fullname] => string
                    [identity] => string
                    [profileurl] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    )
            [statusname] => string
            [url] => string
            )
        [usercompetencyplan] =>
            Array
            (
            [userid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [planid] => int
            [sortorder] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [usercompetencycourse] =>
            Array
            (
            [userid] => int
            [courseid] => int
            [competencyid] => int
            [proficiency] => int
            [grade] => int
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [gradename] => string
            [proficiencyname] => string
            )
        [evidence] =>
            Array
            (
            [0] =>
                Array
                    (
                    [usercompetencyid] => int
                    [contextid] => int
                    [action] => int
                    [actionuserid] => int
                    [descidentifier] => string
                    [desccomponent] => string
                    [desca] => string
                    [url] => string
                    [grade] => int
                    [note] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
```

?

```
                        [usermodified] => int
                        [actionuser] =>
                            Array
                                (
                                [id] => int
                                [email] => string
                                [idnumber] => string
                                [phone1] => string
                                [phone2] => string
                                [department] => string
                                [institution] => string
                                [fullname] => string
                                [identity] => string
                                [profileurl] => string
                                [profileimageurl] => string
                                [profileimageurlsmall] => string
                                )
                        [description] => string
                        [gradename] => string
                        [userdate] => string
                        [candelete] => int
                        )
                )
        [commentarea] =>
            Array
                (
                [component] => string
                [commentarea] => string
                [itemid] => int
                [courseid] => int
                [contextid] => int
                [cid] => string
                [autostart] => int
                [canpost] => int
                [canview] => int
                [count] => int
                [collapsediconkey] => string
                [displaytotalcount] => int
                [displaycancel] => int
                [fullwidth] => int
                [linktext] => string
                [notoggle] => int
                [template] => string
                [canpostorhascomments] => int
                )
        )
    [plan] =>
        Array
        (
        [name] => string
        [description] => string
        [descriptionformat] => int
        [userid] => int
        [templateid] => int
        [origtemplateid] => int
        [status] => int
        [duedate] => int
        [reviewerid] => int
        [id] => int
        [timecreated] => int
        [timemodified] => int
        [usermodified] => int
        [statusname] => string
        [isbasedontemplate] => int
        [canmanage] => int
        [canrequestreview] => int
        [canreview] => int
        [canbeedited] => int
        [isactive] => int
        [isdraft] => int
        [iscompleted] => int
        [isinreview] => int
        [iswaitingforreview] => int
        [isreopenallowed] => int
        [iscompleteallowed] => int
        [isunlinkallowed] => int
        [isrequestreviewallowed] => int
        [iscancelreviewrequestallowed] => int
        [isstartreviewallowed] => int
        [isstopreviewallowed] => int
        [isapproveallowed] => int
        [isunapproveallowed] => int
        [duedateformatted] => string
        [commentarea] =>
            Array
```

?

```
                (
                [component] => string
                [commentarea] => string
                [itemid] => int
                [courseid] => int
                [contextid] => int
                [cid] => string
                [autostart] => int
                [canpost] => int
                [canview] => int
                [count] => int
                [collapsediconkey] => string
                [displaytotalcount] => int
                [displaycancel] => int
                [fullwidth] => int
                [linktext] => string
                [notoggle] => int
                [template] => string
                [canpostorhascomments] => int
                )
            [reviewer] =>
                Array
                (
                [id] => int
                [email] => string
                [idnumber] => string
                [phone1] => string
                [phone2] => string
                [department] => string
                [institution] => string
                [fullname] => string
                [identity] => string
                [profileurl] => string
                [profileimageurl] => string
                [profileimageurlsmall] => string
                )
            [template] =>
                Array
                (
                [shortname] => string
                [description] => string
                [descriptionformat] => int
                [duedate] => int
                [visible] => int
                [contextid] => int
                [id] => int
                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [duedateformatted] => string
                [cohortscount] => int
                [planscount] => int
                [canmanage] => int
                [canread] => int
                [contextname] => string
                [contextnamenoprefix] => string
                )
            [url] => string
            )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="usercompetencysummary">
            <SINGLE>
                <KEY name="showrelatedcompetencies">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="cangrade">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="competency">
                    <SINGLE>
                        <KEY name="linkedcourses">
                            <MULTIPLE>
                                <SINGLE>
                                    <KEY name="id">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="fullname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="shortname">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="idnumber">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="summary">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="summaryformat">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="startdate">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="enddate">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="visible">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showactivitydates">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showcompletionconditions">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="pdfexportfont">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="fullnamedisplay">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="viewurl">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="courseimage">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="progress">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="hasprogress">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="isfavourite">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="hidden">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="timeaccess">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="showshortname">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="coursecategory">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                </SINGLE>
```


?

```
        </MULTIPLE>
    </KEY>
    <KEY name="relatedcompetencies">
        <MULTIPLE>
            <SINGLE>
                <KEY name="shortname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sortorder">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="parentid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="path">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ruleoutcome">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="ruletype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="ruleconfig">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="scaleid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="scaleconfiguration">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="competencyframeworkid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="competency">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="sortorder">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="parentid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="path">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleoutcome">
                <VALUE>int</VALUE>
            </KEY>
```


?

```
            <KEY name="ruletype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="ruleconfig">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="competencyframeworkid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="framework">
        <SINGLE>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="scaleconfiguration">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextid">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="taxonomies">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timecreated">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timemodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="usermodified">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="canmanage">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="competenciescount">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="contextname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="contextnamenoprefix">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="hascourses">
```


?

```
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?

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?

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```


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_user_evidence_list_page

Load the data for the user evidence list page template

Arguments

?

userid (Required)

The user ID

General structure

```
int   //The user ID
```

XML-RPC (PHP structure)

```
[userid] => int
```

REST (POST parameters)

```
userid= int
```

Response

?

```
General structure

object {
canmanage int   //Can the current user manage the user's evidence
userid int   //The user ID
pluginbaseurl string   //Url to the tool_lp plugin folder on this Moodle site
evidence list of (
object {
userid int   //userid
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
filecount int   //filecount
files   //files
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
competencycount int   //competencycount
usercompetencies  Optional //usercompetencies
list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
```

?

```
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
statusname string   //statusname
url string   //url
}
}
)userhasplan int   //userhasplan
}
)navigation list of (
string   //HTML for a navigation item that should be on this page
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [canmanage] => int
    [userid] => int
    [pluginbaseurl] => string
    [evidence] =>
        Array
            (
            [0] =>
                Array
                    (
                    [userid] => int
                    [name] => string
                    [description] => string
                    [descriptionformat] => int
                    [url] => string
                    [id] => int
                    [timecreated] => int
                    [timemodified] => int
                    [usermodified] => int
                    [canmanage] => int
                    [filecount] => int
                    [files] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [contextid] => int
                                    [component] => string
                                    [filearea] => string
                                    [itemid] => int
                                    [filepath] => string
                                    [filename] => string
                                    [isdir] => int
                                    [isimage] => int
                                    [timemodified] => int
                                    [timecreated] => int
                                    [filesize] => int
                                    [author] => string
                                    [license] => string
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                                    [filesizeformatted] => string
                                    [icon] => string
                                    [timecreatedformatted] => string
                                    [timemodifiedformatted] => string
                                    [url] => string
                                    )
                            )
                    [hasurlorfiles] => int
                    [urlshort] => string
                    [competencycount] => int
                    [usercompetencies] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [competency] =>
                                        Array
                                            (
                                            [shortname] => string
                                            [idnumber] => string
                                            [description] => string
                                            [descriptionformat] => int
                                            [sortorder] => int
                                            [parentid] => int
                                            [path] => string
                                            [ruleoutcome] => int
                                            [ruletype] => string
                                            [ruleconfig] => string
                                            [scaleid] => int
                                            [scaleconfiguration] => string
                                            [competencyframeworkid] => int
                                            [id] => int
                                            [timecreated] => int
                                            [timemodified] => int
                                            [usermodified] => int
                                            )
                                    [usercompetency] =>
                                        Array
                                            (
```

?

```
                                        [userid] => int
                                        [competencyid] => int
                                        [status] => int
                                        [reviewerid] => int
                                        [proficiency] => int
                                        [grade] => int
                                        [id] => int
                                        [timecreated] => int
                                        [timemodified] => int
                                        [usermodified] => int
                                        [canrequestreview] => int
                                        [canreview] => int
                                        [gradename] => string
                                        [isrequestreviewallowed] => int
                                        [iscancelreviewrequestallowed] => int
                                        [isstartreviewallowed] => int
                                        [isstopreviewallowed] => int
                                        [isstatusidle] => int
                                        [isstatusinreview] => int
                                        [isstatuswaitingforreview] => int
                                        [proficiencyname] => string
                                        [reviewer] =>
                                            Array
                                                (
                                                [id] => int
                                                [email] => string
                                                [idnumber] => string
                                                [phone1] => string
                                                [phone2] => string
                                                [department] => string
                                                [institution] => string
                                                [fullname] => string
                                                [identity] => string
                                                [profileurl] => string
                                                [profileimageurl] => string
                                                [profileimageurlsmall] => string
                                                )
                                        [statusname] => string
                                        [url] => string
                                        )
                                    )
                                )
                        [userhasplan] => int
                        )
                )
        [navigation] =>
            Array
                (
                [0] => string
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="canmanage">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="pluginbaseurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="evidence">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="userid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timecreated">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="usermodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="canmanage">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="filecount">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="files">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="contextid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="component">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filearea">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="itemid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filepath">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="isdir">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="isimage">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timemodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="timecreated">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
```


?

```
                </KEY>
                <KEY name="author">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="license">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filenameshort">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="hasurlorfiles">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="urlshort">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="competencycount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="usercompetencies">
        <MULTIPLE>
            <SINGLE>
                <KEY name="competency">
                    <SINGLE>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="idnumber">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="descriptionformat">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="sortorder">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="parentid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="path">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="ruleoutcome">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ruletype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="ruleconfig">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleconfiguration">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="competencyframeworkid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
```


?

```
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</KEY>
<KEY name="usercompetency">
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficiency">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isrequestreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscancelreviewrequestallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstartreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstopreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatusidle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatusinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatuswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficiencyname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reviewer">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
```


?

```
                                        </KEY>
                                        <KEY name="phone1">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="phone2">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="department">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="institution">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="fullname">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="identity">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileimageurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileimageurlsmall">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="statusname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="url">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="userhasplan">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="navigation">
    <MULTIPLE>
        <VALUE>string</VALUE>
    </MULTIPLE>
</KEY>
</SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_data_for_user_evidence_page ?

Load the data for the user evidence page template

Arguments

id (Required)

The user evidence ID

```
General structure

int   //The user evidence ID
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

?

```
General structure

object {
userevidence object {
userid int   //userid
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
filecount int   //filecount
files   //files
list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
isimage int   //isimage
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
competencycount int   //competencycount
usercompetencies  Optional //usercompetencies
list of (
object {
competency object {
shortname string   //shortname
idnumber string   //idnumber
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
sortorder int   //sortorder
parentid int   //parentid
path string   //path
ruleoutcome int   //ruleoutcome
ruletype string   //ruletype
ruleconfig string   //ruleconfig
scaleid int   //scaleid
scaleconfiguration string   //scaleconfiguration
competencyframeworkid int   //competencyframeworkid
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
}
usercompetency object {
userid int   //userid
competencyid int   //competencyid
status int   //status
reviewerid int   //reviewerid
proficiency int   //proficiency
grade int   //grade
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canrequestreview int   //canrequestreview
canreview int   //canreview
gradename string   //gradename
isrequestreviewallowed int   //isrequestreviewallowed
iscancelreviewrequestallowed int   //iscancelreviewrequestallowed
isstartreviewallowed int   //isstartreviewallowed
isstopreviewallowed int   //isstopreviewallowed
isstatusidle int   //isstatusidle
isstatusinreview int   //isstatusinreview
isstatuswaitingforreview int   //isstatuswaitingforreview
proficiencyname string   //proficiencyname
```

?

```
reviewer object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
statusname string   //statusname
url string   //url
}
}
)userhasplan int   //userhasplan
}
pluginbaseurl string   //Url to the tool_lp plugin folder on this Moodle site
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [userevidence] =>
        Array
            (
            [userid] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [url] => string
            [id] => int
            [timecreated] => int
            [timemodified] => int
            [usermodified] => int
            [canmanage] => int
            [filecount] => int
            [files] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [contextid] => int
                            [component] => string
                            [filearea] => string
                            [itemid] => int
                            [filepath] => string
                            [filename] => string
                            [isdir] => int
                            [isimage] => int
                            [timemodified] => int
                            [timecreated] => int
                            [filesize] => int
                            [author] => string
                            [license] => string
                            [filenameshort] => string
                            [filesizeformatted] => string
                            [icon] => string
                            [timecreatedformatted] => string
                            [timemodifiedformatted] => string
                            [url] => string
                            )
                    )
            [hasurlorfiles] => int
            [urlshort] => string
            [competencycount] => int
            [usercompetencies] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [competency] =>
                                Array
                                    (
                                    [shortname] => string
                                    [idnumber] => string
                                    [description] => string
                                    [descriptionformat] => int
                                    [sortorder] => int
                                    [parentid] => int
                                    [path] => string
                                    [ruleoutcome] => int
                                    [ruletype] => string
                                    [ruleconfig] => string
                                    [scaleid] => int
                                    [scaleconfiguration] => string
                                    [competencyframeworkid] => int
                                    [id] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [usermodified] => int
                                    )
                            [usercompetency] =>
                                Array
                                    (
                                    [userid] => int
                                    [competencyid] => int
                                    [status] => int
                                    [reviewerid] => int
                                    [proficiency] => int
                                    [grade] => int
```

?

```
                                    [id] => int
                                    [timecreated] => int
                                    [timemodified] => int
                                    [usermodified] => int
                                    [canrequestreview] => int
                                    [canreview] => int
                                    [gradename] => string
                                    [isrequestreviewallowed] => int
                                    [iscancelreviewrequestallowed] => int
                                    [isstartreviewallowed] => int
                                    [isstopreviewallowed] => int
                                    [isstatusidle] => int
                                    [isstatusinreview] => int
                                    [isstatuswaitingforreview] => int
                                    [proficiencyname] => string
                                    [reviewer] =>
                                        Array
                                            (
                                            [id] => int
                                            [email] => string
                                            [idnumber] => string
                                            [phone1] => string
                                            [phone2] => string
                                            [department] => string
                                            [institution] => string
                                            [fullname] => string
                                            [identity] => string
                                            [profileurl] => string
                                            [profileimageurl] => string
                                            [profileimageurlsmall] => string
                                            )
                                    [statusname] => string
                                    [url] => string
                                    )
                            )
                    )
            [userhasplan] => int
            )
    [pluginbaseurl] => string
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="userevidence">
            <SINGLE>
                <KEY name="userid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="description">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="descriptionformat">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timecreated">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="timemodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="usermodified">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canmanage">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="filecount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="files">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="contextid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="component">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filearea">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="itemid">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="filepath">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="isdir">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="isimage">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timemodified">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="timecreated">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="filesize">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="author">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="license">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="filenameshort">
                                <VALUE>string</VALUE>
                            </KEY>
```


?

```
                <KEY name="filesizeformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timecreatedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="timemodifiedformatted">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="url">
                    <VALUE>string</VALUE>
                </KEY>
            </SINGLE>
        </MULTIPLE>
    </KEY>
    <KEY name="hasurlorfiles">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="urlshort">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="competencycount">
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="usercompetencies">
        <MULTIPLE>
            <SINGLE>
                <KEY name="competency">
                    <SINGLE>
                        <KEY name="shortname">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="idnumber">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="descriptionformat">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="sortorder">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="parentid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="path">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="ruleoutcome">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="ruletype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="ruleconfig">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="scaleid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="scaleconfiguration">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="competencyframeworkid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="id">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="usermodified">
                            <VALUE>int</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
```


?

```
<KEY name="usercompetency">
    <SINGLE>
        <KEY name="userid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="competencyid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="status">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="reviewerid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficiency">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="grade">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="id">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timecreated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="usermodified">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canrequestreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="canreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="gradename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="isrequestreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="iscancelreviewrequestallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstartreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstopreviewallowed">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatusidle">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatusinreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="isstatuswaitingforreview">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="proficiencyname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="reviewer">
            <SINGLE>
                <KEY name="id">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="email">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="idnumber">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone1">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="phone2">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="department">
                    <VALUE>string</VALUE>
                </KEY>
```


?

```
                                        <KEY name="institution">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="fullname">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="identity">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileimageurl">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                        <KEY name="profileimageurlsmall">
                                            <VALUE>string</VALUE>
                                        </KEY>
                                    </SINGLE>
                                </KEY>
                                <KEY name="statusname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="url">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
            <KEY name="userhasplan">
                <VALUE>int</VALUE>
            </KEY>
        </SINGLE>
    </KEY>
    <KEY name="pluginbaseurl">
        <VALUE>string</VALUE>
    </KEY>
  </SINGLE>
</RESPONSE>
```


Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_list_courses_using_competency

List the courses using a competency

Arguments

id (Required)

The competency id

?

```
General structure

int   //The competency id
```

```
XML-RPC (PHP structure)

[id] => int
```

```
REST (POST parameters)

id= int
```

Response

```
General structure

list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
startdate int   //startdate
enddate int   //enddate
visible int   //visible
showactivitydates int   //showactivitydates
showcompletionconditions int   //showcompletionconditions
pdfexportfont string   //pdfexportfont
fullnamedisplay string   //fullnamedisplay
viewurl string   //viewurl
courseimage string   //courseimage
progress int  Optional //progress
hasprogress int   //hasprogress
isfavourite int   //isfavourite
hidden int   //hidden
timeaccess int  Optional //timeaccess
showshortname int   //showshortname
coursecategory string   //coursecategory
}
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [fullname] => string
                [shortname] => string
                [idnumber] => string
                [summary] => string
                [summaryformat] => int
                [startdate] => int
                [enddate] => int
                [visible] => int
                [showactivitydates] => int
                [showcompletionconditions] => int
                [pdfexportfont] => string
                [fullnamedisplay] => string
                [viewurl] => string
                [courseimage] => string
                [progress] => int
                [hasprogress] => int
                [isfavourite] => int
                [hidden] => int
                [timeaccess] => int
                [showshortname] => int
                [coursecategory] => string
                )
        )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <SINGLE>
            <KEY name="id">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="fullname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summary">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="summaryformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="startdate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="enddate">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="visible">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showactivitydates">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showcompletionconditions">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="pdfexportfont">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="fullnamedisplay">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="courseimage">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="progress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hasprogress">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="isfavourite">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="hidden">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="timeaccess">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="showshortname">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="coursecategory">
                <VALUE>string</VALUE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_lp_search_cohorts

Search for cohorts. This method is deprecated, please call 'core_cohort_search_cohorts' instead

Arguments

query (Required)

Query string

```
General structure

string   //Query string
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

context (Required)

```
General structure

object {
contextid int  Default to "0" //Context ID. Either use this value, or level and instanceid.
contextlevel string  Default to "" //Context level. To be used with instanceid.
instanceid int  Default to "0" //Context instance ID. To be used with level
}
```

```
XML-RPC (PHP structure)

[context] =>
    Array
        (
        [contextid] => int
        [contextlevel] => string
        [instanceid] => int
        )
```

```
REST (POST parameters)

context[contextid]= int
context[contextlevel]= string
context[instanceid]= int
```

includes (Default to "parents") ?

What other contexts to fetch the frameworks from. (all, parents, self)

```
General structure

string  Default to "parents" //What other contexts to fetch the frameworks from. (all, parents, self)
```

```
XML-RPC (PHP structure)

[includes] => string
```

```
REST (POST parameters)

includes= string
```

limitfrom (Default to "0")

limitfrom we are fetching the records from

```
General structure

int  Default to "0" //limitfrom we are fetching the records from
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "25")

Number of records to fetch

```
General structure

int  Default to "25" //Number of records to fetch
```

```
XML-RPC (PHP structure)

[limitnum] => int
```

```
REST (POST parameters)

limitnum= int
```

Response

?

General structure

```
object {
cohorts list of (
object {
id int   //ID of the cohort
name string   //cohort name
idnumber string   //cohort idnumber
description string   //cohort description
descriptionformat int   //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN, or 4 = MARKDOWN
visible int   //cohort visible
theme string  Optional //cohort theme
customfields  Optional //Custom fields
list of (
object {
name string   //The name of the custom field
shortname string   //The shortname of the custom field - to be able to build the field class in the code
type string   //The type of the custom field - text field, checkbox...
valueraw string   //The raw value of the custom field
value string   //The value of the custom field
}
)}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [cohorts] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [idnumber] => string
                        [description] => string
                        [descriptionformat] => int
                        [visible] => int
                        [theme] => string
                        [customfields] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [name] => string
                                        [shortname] => string
                                        [type] => string
                                        [valueraw] => string
                                        [value] => string
                                        )
                                )
                        )
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="cohorts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="description">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="descriptionformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="theme">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="customfields">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="name">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="shortname">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="type">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="valueraw">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="value">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

No

?

tool_lp_search_users

Search for users.

Arguments

query (Required)

Query string

```
General structure

string   //Query string
```

```
XML-RPC (PHP structure)

[query] => string
```

```
REST (POST parameters)

query= string
```

capability (Required)

Required capability

```
General structure

string   //Required capability
```

```
XML-RPC (PHP structure)

[capability] => string
```

```
REST (POST parameters)

capability= string
```

limitfrom (Default to "0")

Number of records to skip

```
General structure

int  Default to "0" //Number of records to skip
```

```
XML-RPC (PHP structure)

[limitfrom] => int
```

```
REST (POST parameters)

limitfrom= int
```

limitnum (Default to "100")

Number of records to fetch

```
General structure

string  Default to "100" //Number of records to fetch
```

```
XML-RPC (PHP structure)

[limitnum] => string
```

?

```
REST (POST parameters)

limitnum= string
```

Response

```
General structure

object {
users list of (
object {
id int   //id
email string   //email
idnumber string   //idnumber
phone1 string   //phone1
phone2 string   //phone2
department string   //department
institution string   //institution
fullname string   //fullname
identity string   //identity
profileurl string   //profileurl
profileimageurl string   //profileimageurl
profileimageurlsmall string   //profileimageurlsmall
}
)count int   //Total number of results.
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [users] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [email] => string
                        [idnumber] => string
                        [phone1] => string
                        [phone2] => string
                        [department] => string
                        [institution] => string
                        [fullname] => string
                        [identity] => string
                        [profileurl] => string
                        [profileimageurl] => string
                        [profileimageurlsmall] => string
                        )
                )
        [count] => int
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="users">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="email">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="idnumber">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone1">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="phone2">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="department">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="institution">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="identity">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="profileimageurlsmall">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="count">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_mobile_call_external_functions

?

Call multiple external functions and return all responses.

Arguments

requests (Required)

```
General structure

list of (
object {
function string   //Function name
arguments string  Default to "{}" //JSON-encoded object with named arguments
settingraw int  Default to "" //Return raw text
settingfilter int  Default to "" //Filter text
settingfileurl int  Default to "1" //Rewrite plugin file URLs
settinglang string  Default to "" //Session language
}
)
```

```
XML-RPC (PHP structure)

[requests] =>
    Array
        (
        [0] =>
            Array
                (
                [function] => string
                [arguments] => string
                [settingraw] => int
                [settingfilter] => int
                [settingfileurl] => int
                [settinglang] => string
                )
        )
```

```
REST (POST parameters)

requests[0][function]= string
requests[0][arguments]= string
requests[0][settingraw]= int
requests[0][settingfilter]= int
requests[0][settingfileurl]= int
requests[0][settinglang]= string
```

Response

```
General structure

object {
responses list of (
object {
error int   //Whether an exception was thrown.
data string  Optional //JSON-encoded response data
exception string  Optional //JSON-encoed exception info
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [responses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [error] => int
                    [data] => string
                    [exception] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="responses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="error">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="data">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="exception">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

tool_mobile_get_autologin_key

Creates an auto-login key for the current user. Is created only in https sites and is restricted by time, ip address and only works if the request comes from the Moodle mobile or desktop app.

Arguments

privatetoken (Required)

Private token, usually generated by login/token.php

?

```
General structure

string   //Private token, usually generated by login/token.php
```

```
XML-RPC (PHP structure)

[privatetoken] => string
```

```
REST (POST parameters)

privatetoken= string
```

Response

```
General structure

object {
key string   //Auto-login key for a single usage with time expiration.
autologinurl string   //Auto-login URL.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [key] => string
        [autologinurl] => string
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="key">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="autologinurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

tool_mobile_get_config

Returns a list of the site configurations, filtering by section.

Arguments

section (Default to "")

Settings section name.

```
General structure

string  Default to "" //Settings section name.
```

```
XML-RPC (PHP structure)

[section] => string
```

?

```
REST (POST parameters)

section= string
```

Response

```
General structure

object {
settings   //Settings
list of (
object {
name string   //The name of the setting
value string   //The value of the setting
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [settings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [name] => string
                        [value] => string
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="settings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

tool_mobile_get_content

Returns a piece of content to be displayed in the Mobile app.

Arguments

component (Required)

Component where the class is e.g. mod_assign.

```
General structure

string   //Component where the class is e.g. mod_assign.
```

?

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

method (Required)

Method to execute in class \$component\output\mobile.

```
General structure

string   //Method to execute in class \$component\output\mobile.
```

```
XML-RPC (PHP structure)

[method] => string
```

```
REST (POST parameters)

method= string
```

args (Optional)

Args for the method are optional.

```
General structure

 Optional //Args for the method are optional.
list of (
object {
name string   //Param name.
value string   //Param value.
}
)
```

```
XML-RPC (PHP structure)

[args] =>
    Array
        (
        [0] =>
            Array
                (
                [name] => string
                [value] => string
                )
        )
```

```
REST (POST parameters)

args[0][name]= string
args[0][value]= string
```

Response

?

```
General structure

object {
templates   //Templates required by the generated content.
list of (
object {
id string   //ID of the template.
html string   //HTML code.
}
)javascript string   //JavaScript code.
otherdata   //Other data that can be used or manipulated by the template via 2-way data-binding.
list of (
object {
name string   //Field name.
value string   //Field value.
}
)files   //Files in the content.
list of (
  //File.
object {
filename string  Optional //File name.
filepath string  Optional //File path.
filesize int  Optional //File size.
fileurl string  Optional //Downloadable file url.
timemodified int  Optional //Time modified.
mimetype string  Optional //File mime type.
isexternalfile int  Optional //Whether is an external file.
repositorytype string  Optional //The repository type for external files.
}
)restrict   //Restrict this content to certain users or courses.
object {
users  Optional //List of allowed users.
list of (
int   //user id
)courses  Optional //List of allowed courses.
list of (
int   //course id
)}
disabled int  Optional //Whether we consider this disabled or not.
}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [templates] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => string
                    [html] => string
                    )
            )
    [javascript] => string
    [otherdata] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [value] => string
                    )
            )
    [files] =>
        Array
            (
            [0] =>
                Array
                    (
                    [filename] => string
                    [filepath] => string
                    [filesize] => int
                    [fileurl] => string
                    [timemodified] => int
                    [mimetype] => string
                    [isexternalfile] => int
                    [repositorytype] => string
                    )
            )
    [restrict] =>
        Array
            (
            [users] =>
                Array
                    (
                    [0] => int
                    )
            [courses] =>
                Array
                    (
                    [0] => int
                    )
            )
    [disabled] => int
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="templates">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="html">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="javascript">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="otherdata">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="value">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="files">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="filename">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filepath">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="timemodified">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mimetype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="isexternalfile">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="repositorytype">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="restrict">
            <SINGLE>
                <KEY name="users">
                    <MULTIPLE>
                        <VALUE>int</VALUE>
                    </MULTIPLE>
                </KEY>
                <KEY name="courses">
                    <MULTIPLE>
                        <VALUE>int</VALUE>
                    </MULTIPLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="disabled">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

No

tool_mobile_get_plugins_supporting_mobile

Returns a list of Moodle plugins supporting the mobile app.

Arguments

Response

```
General structure

object {
plugins list of (
object {
component string   //The plugin component name.
version string   //The plugin version number.
addon string   //The Mobile addon (package) name.
dependencies   //The list of Mobile addons this addon depends on.
list of (
string   //Mobile addon name.
)fileurl string   //The addon package url for download
                                                    or empty if it doesn't exist.
filehash string   //The addon package hash or empty if it doesn't exist.
filesize int   //The addon package size or empty if it doesn't exist.
handlers string  Optional //Handlers definition (JSON)
lang string  Optional //Language strings used by the handlers (JSON)
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [plugins] =>
        Array
            (
            [0] =>
                Array
                    (
                    [component] => string
                    [version] => string
                    [addon] => string
                    [dependencies] =>
                        Array
                            (
                            [0] => string
                            )
                    [fileurl] => string
                    [filehash] => string
                    [filesize] => int
                    [handlers] => string
                    [lang] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="plugins">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="component">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="version">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="addon">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="dependencies">
                        <MULTIPLE>
                            <VALUE>string</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="fileurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filehash">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="filesize">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="handlers">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="lang">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

No

?

Callable from AJAX

Yes

tool_mobile_get_public_config

Returns a list of the site public settings, those not requiring authentication.

Arguments

Response

```
General structure

object {
wwwroot string   //Site URL.
httpswwwroot string   //Site https URL (if httpslogin is enabled).
sitename string   //Site name.
guestlogin int   //Whether guest login is enabled.
rememberusername int   //Values: 0 for No, 1 for Yes, 2 for optional.
authloginviaemail int   //Whether log in via email is enabled.
registerauth string   //Authentication method for user registration.
forgottenpasswordurl string   //Forgotten password URL.
authinstructions string   //Authentication instructions.
authnoneenabled int   //Whether auth none is enabled.
enablewebservices int   //Whether Web Services are enabled.
enablemobilewebservice int   //Whether the Mobile service is enabled.
maintenanceenabled int   //Whether site maintenance is enabled.
maintenancemessage string   //Maintenance message.
logourl string  Optional //The site logo URL
compactlogourl string  Optional //The site compact logo URL
typeoflogin int   //The type of login. 1 for app, 2 for browser, 3 for embedded.
launchurl string  Optional //SSO login launch URL.
mobilecssurl string  Optional //Mobile custom CSS theme
tool_mobile_disabledfeatures string  Optional //Disabled features in the app
identityproviders  Optional //Identity providers
list of (
object {
name string   //The identity provider name.
iconurl string   //The icon URL for the provider.
url string   //The URL of the provider.
}
)country string  Optional //Default site country
agedigitalconsentverification int  Optional //Whether age digital consent verification
                    is enabled.
supportname string  Optional //Site support contact name
                    (only if age verification is enabled).
supportemail string  Optional //Site support contact email
                    (only if age verification is enabled).
supportpage string  Optional //Site support page link.
supportavailability int  Optional //Determines who has access to contact site support.
autolang int  Optional //Whether to detect default language
                    from browser setting.
lang string  Optional //Default language for the site.
langmenu int  Optional //Whether the language menu should be displayed.
langlist string  Optional //Languages on language menu.
locale string  Optional //Sitewide locale.
tool_mobile_minimumversion string  Optional //Minimum required version to access.
tool_mobile_iosappid string  Optional //iOS app's unique identifier.
tool_mobile_androidappid string  Optional //Android app's unique identifier.
tool_mobile_setuplink string  Optional //App download page.
tool_mobile_qrcodetype int  Optional //QR login configuration.
warnings  Optional //List of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [wwwroot] => string
    [httpswwwroot] => string
    [sitename] => string
    [guestlogin] => int
    [rememberusername] => int
    [authloginviaemail] => int
    [registerauth] => string
    [forgottenpasswordurl] => string
    [authinstructions] => string
    [authnoneenabled] => int
    [enablewebservices] => int
    [enablemobilewebservice] => int
    [maintenanceenabled] => int
    [maintenancemessage] => string
    [logourl] => string
    [compactlogourl] => string
    [typeoflogin] => int
    [launchurl] => string
    [mobilecssurl] => string
    [tool_mobile_disabledfeatures] => string
    [identityproviders] =>
        Array
            (
            [0] =>
                Array
                    (
                    [name] => string
                    [iconurl] => string
                    [url] => string
                    )
            )
    [country] => string
    [agedigitalconsentverification] => int
    [supportname] => string
    [supportemail] => string
    [supportpage] => string
    [supportavailability] => int
    [autolang] => int
    [lang] => string
    [langmenu] => int
    [langlist] => string
    [locale] => string
    [tool_mobile_minimumversion] => string
    [tool_mobile_iosappid] => string
    [tool_mobile_androidappid] => string
    [tool_mobile_setuplink] => string
    [tool_mobile_qrcodetype] => int
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

?

REST


```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="wwwroot">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="httpswwwroot">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="sitename">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="guestlogin">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="rememberusername">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="authloginviaemail">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="registerauth">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="forgottenpasswordurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="authinstructions">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="authnoneenabled">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="enablewebservices">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="enablemobilewebservice">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="maintenanceenabled">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="maintenancemessage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="logourl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="compactlogourl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="typeoflogin">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="launchurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="mobilecssurl">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_disabledfeatures">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="identityproviders">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="iconurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="url">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="country">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="agedigitalconsentverification">
            <VALUE>int</VALUE>
```


?

```
        </KEY>
        <KEY name="supportname">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="supportemail">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="supportpage">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="supportavailability">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="autolang">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="lang">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="langmenu">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="langlist">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="locale">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_minimumversion">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_iosappid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_androidappid">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_setuplink">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="tool_mobile_qrcodetype">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


?

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_mobile_get_tokens_for_qr_login

Returns a WebService token (and private token) for QR login.

Arguments

qrloginkey (Required)

The user key for validating the request.

```
General structure

string   //The user key for validating the request.
```

```
XML-RPC (PHP structure)

[qrloginkey] => string
```

```
REST (POST parameters)

qrloginkey= string
```

userid (Required)

The user the key belongs to.

```
General structure

int   //The user the key belongs to.
```

```
XML-RPC (PHP structure)

[userid] => int
```

```
REST (POST parameters)

userid= int
```

Response

```
General structure

object {
token string   //A valid WebService token for the official mobile app service.
privatetoken string   //Private token used for auto-login processes.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [token] => string
    [privatetoken] => string
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="token">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="privatetoken">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_mobile_validate_subscription_key

?

Check if the given site subscription key is valid.

Arguments

key (Required)

Site subscription temporary key.

```
General structure

string   //Site subscription temporary key.
```

```
XML-RPC (PHP structure)

[key] => string
```

```
REST (POST parameters)

key= string
```

Response

```
General structure

object {
validated int   //Whether the key is validated or not.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [validated] => int
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

?

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="validated">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_moodlenet_search_courses

For some given input search for a course that matches

Arguments

searchvalue (Required)

search value

```
General structure

string   //search value
```

```
XML-RPC (PHP structure)

[searchvalue] => string
```

?

```
REST (POST parameters)

searchvalue= string
```

Response

```
General structure

object {
courses list of (
object {
id int   //course id
fullname string   //course full name
hidden int   //is the course visible
viewurl string   //Next step of import
coursecategory string   //Category name
courseimage string   //course image
}
)}
```

```
XML-RPC (PHP structure)


    Array
        (
        [courses] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [fullname] => string
                        [hidden] => int
                        [viewurl] => string
                        [coursecategory] => string
                        [courseimage] => string
                        )
                )
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="courses">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="fullname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="viewurl">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="coursecategory">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="courseimage">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

?

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_moodlenet_verify_webfinger

Verify if the passed information resolves into a WebFinger profile URL

Arguments

profileurl (Required)

The profile url that the user has given us

```
General structure

string   //The profile url that the user has given us
```

```
XML-RPC (PHP structure)

[profileurl] => string
```

```
REST (POST parameters)

profileurl= string
```

course (Required)

The course we are adding to

```
General structure

int   //The course we are adding to
```

```
XML-RPC (PHP structure)

[course] => int
```

```
REST (POST parameters)

course= int
```

section (Required)

The section within the course we are adding to

```
General structure

int   //The section within the course we are adding to
```

?

```
XML-RPC (PHP structure)

[section] => int
```

```
REST (POST parameters)

section= int
```

Response

```
General structure

object {
result int   //Was the passed content a valid WebFinger?
message string   //Our message for the user
domain string  Optional //Domain to redirect the user to
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [result] => int
        [message] => string
        [domain] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="message">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="domain">
            <VALUE>string</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_policy_get_policy_version

?

Fetch the details of a policy version

Arguments

versionid (Required)

The policy version ID

```
General structure

int   //The policy version ID
```

```
XML-RPC (PHP structure)

[versionid] => int
```

```
REST (POST parameters)

versionid= int
```

behalfid (Default to "0")

The id of user on whose behalf the user is viewing the policy

```
General structure

int  Default to "0" //The id of user on whose behalf the user is viewing the policy
```

```
XML-RPC (PHP structure)

[behalfid] => int
```

```
REST (POST parameters)

behalfid= int
```

Response

```
General structure

object {
result object {
policy  Optional //Policy information
object {
name string  Optional //The policy version name
versionid int  Optional //The policy version id
content string  Optional //The policy version content
}
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific behaviour
message string   //untranslated english message to explain the warning
}
)}
```

?

XML-RPC (PHP structure)

```
Array
    (
    [result] =>
        Array
            (
            [policy] =>
                Array
                    (
                    [name] => string
                    [versionid] => int
                    [content] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="result">
            <SINGLE>
                <KEY name="policy">
                    <SINGLE>
                        <KEY name="name">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="versionid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="content">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

?

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_policy_submit_accept_on_behalf

Accept policies on behalf of other users

Arguments

jsonformdata (Required)

The data from the create group form, encoded as a json array

General structure

```
string   //The data from the create group form, encoded as a json array
```

XML-RPC (PHP structure)

```
[jsonformdata] => string
```

REST (POST parameters)

```
jsonformdata= string
```

Response

success

General structure

```
int   //success
```

XML-RPC (PHP structure)

```
 int
```

REST

```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>int</VALUE>
</RESPONSE>
```

Error message

?

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_templatelibrary_list_templates

List/search templates by component.

Arguments

component (Default to "")

The component to search

```
General structure

string  Default to "" //The component to search
```

```
XML-RPC (PHP structure)

[component] => string
```

```
REST (POST parameters)

component= string
```

search (Default to "")

The search string

```
General structure

string  Default to "" //The search string
```

```
XML-RPC (PHP structure)

[search] => string
```

```
REST (POST parameters)

search= string
```

themename (Default to "")

The current theme

```
General structure

string  Default to "" //The current theme
```

```
XML-RPC (PHP structure)

[themename] => string
```

?

```
REST (POST parameters)

themename= string
```

Response

```
General structure

list of (
string   //The template name (format is component/templatename)
)
```

```
XML-RPC (PHP structure)


    Array
        (
        [0] => string
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <MULTIPLE>
        <VALUE>string</VALUE>
    </MULTIPLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_templatelibrary_load_canonical_template

Load a canonical template by name (not the theme overidden one).

Arguments

component (Required)

component containing the template

```
General structure

string   //component containing the template
```

```
XML-RPC (PHP structure)

[component] => string
```

?

```
REST (POST parameters)

component= string
```

template (Required)

name of the template

```
General structure

string   //name of the template
```

```
XML-RPC (PHP structure)

[template] => string
```

```
REST (POST parameters)

template= string
```

Response

template

```
General structure

string   //template
```

```
XML-RPC (PHP structure)

 string
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <VALUE>string</VALUE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

No

Callable from AJAX

Yes

tool_usertours_complete_tour

Mark the specified tour as completed for the current user ?

Arguments

tourid (Required)

Tour ID

```
General structure

int   //Tour ID
```

```
XML-RPC (PHP structure)

[tourid] => int
```

```
REST (POST parameters)

tourid= int
```

context (Required)

Context ID

```
General structure

int   //Context ID
```

```
XML-RPC (PHP structure)

[context] => int
```

```
REST (POST parameters)

context= int
```

pageurl (Required)

Page URL

```
General structure

string   //Page URL
```

```
XML-RPC (PHP structure)

[pageurl] => string
```

```
REST (POST parameters)

pageurl= string
```

stepid (Required)

Step ID

```
General structure

int   //Step ID
```

```
XML-RPC (PHP structure)

[stepid] => int
```

```
REST (POST parameters)

stepid= int
```

?

stepindex (Required)

Step Number

```
General structure

int   //Step Number
```

```
XML-RPC (PHP structure)

[stepindex] => int
```

```
REST (POST parameters)

stepindex= int
```

Response

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_usertours_fetch_and_start_tour

Fetch the specified tour

?

Arguments

tourid (Required)

Tour ID

```
General structure

int   //Tour ID
```

```
XML-RPC (PHP structure)

[tourid] => int
```

```
REST (POST parameters)

tourid= int
```

context (Required)

Context ID

```
General structure

int   //Context ID
```

```
XML-RPC (PHP structure)

[context] => int
```

```
REST (POST parameters)

context= int
```

pageurl (Required)

Page URL

```
General structure

string   //Page URL
```

```
XML-RPC (PHP structure)

[pageurl] => string
```

```
REST (POST parameters)

pageurl= string
```

Response

?

```
General structure

object {
tourconfig  Optional //Tour config
object {
name string   //Tour Name
steps list of (
object {
title string   //Step Title
content string   //Step Content
element string   //Step Target
placement string   //Step Placement
delay int  Optional //Delay before showing the step (ms)
backdrop int  Optional //Whether a backdrop should be used
reflex int  Optional //Whether to move to the next step when the target element is clicked
orphan int  Optional //Whether to display the step even if it could not be found
stepid int  Optional //The actual ID of the step
}
)endtourlabel string   //Label of the end tour button
displaystepnumbers int   //display step number
}
}
```

```
XML-RPC (PHP structure)


    Array
        (
        [tourconfig] =>
            Array
                (
                [name] => string
                [steps] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [title] => string
                                [content] => string
                                [element] => string
                                [placement] => string
                                [delay] => int
                                [backdrop] => int
                                [reflex] => int
                                [orphan] => int
                                [stepid] => int
                                )
                        )
                [endtourlabel] => string
                [displaystepnumbers] => int
                )
        )
```

?

REST


```
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="tourconfig">
            <SINGLE>
                <KEY name="name">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="steps">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="title">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="content">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="element">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="placement">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="delay">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="backdrop">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="reflex">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="orphan">
                                <VALUE>int</VALUE>
                            </KEY>
                            <KEY name="stepid">
                                <VALUE>int</VALUE>
                            </KEY>
                        </SINGLE>
                    </MULTIPLE>
                </KEY>
                <KEY name="endtourlabel">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="displaystepnumbers">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST


```
<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```


Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_usertours_reset_tour ?

Remove the specified tour

Arguments

tourid (Required)

Tour ID

```
General structure

int   //Tour ID
```

```
XML-RPC (PHP structure)

[tourid] => int
```

```
REST (POST parameters)

tourid= int
```

context (Required)

Context ID

```
General structure

int   //Context ID
```

```
XML-RPC (PHP structure)

[context] => int
```

```
REST (POST parameters)

context= int
```

pageurl (Required)

Current page location

```
General structure

string   //Current page location
```

```
XML-RPC (PHP structure)

[pageurl] => string
```

```
REST (POST parameters)

pageurl= string
```

Response

```
General structure

object {
startTour int  Optional //Tour ID
}
```

?

```
XML-RPC (PHP structure)


    Array
        (
        [startTour] => int
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="startTour">
            <VALUE>int</VALUE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_usertours_step_shown

Mark the specified step as completed for the current user

Arguments

tourid (Required)

Tour ID

```
General structure

int   //Tour ID
```

```
XML-RPC (PHP structure)

[tourid] => int
```

```
REST (POST parameters)

tourid= int
```

context (Required)

Context ID

?

```
General structure

int   //Context ID
```

```
XML-RPC (PHP structure)

[context] => int
```

```
REST (POST parameters)

context= int
```

pageurl (Required)

Page URL

```
General structure

string   //Page URL
```

```
XML-RPC (PHP structure)

[pageurl] => string
```

```
REST (POST parameters)

pageurl= string
```

stepid (Required)

Step ID

```
General structure

int   //Step ID
```

```
XML-RPC (PHP structure)

[stepid] => int
```

```
REST (POST parameters)

stepid= int
```

stepindex (Required)

Step Number

```
General structure

int   //Step Number
```

```
XML-RPC (PHP structure)

[stepindex] => int
```

```
REST (POST parameters)

stepindex= int
```

Response

?

```
General structure

object {
}
```

```
XML-RPC (PHP structure)


    Array
        (
        )
```

```
REST

<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

tool_xmldb_invoke_move_action

moves element up/down

Arguments

action (Required)

Action

```
General structure

string   //Action
```

```
XML-RPC (PHP structure)

[action] => string
```

```
REST (POST parameters)

action= string
```

dir (Required)

Plugin that is being edited

?

```
General structure

string   //Plugin that is being edited
```

```
XML-RPC (PHP structure)

[dir] => string
```

```
REST (POST parameters)

dir= string
```

table (Required)

Table name

```
General structure

string   //Table name
```

```
XML-RPC (PHP structure)

[table] => string
```

```
REST (POST parameters)

table= string
```

field (Default to "")

Field name

```
General structure

string  Default to "" //Field name
```

```
XML-RPC (PHP structure)

[field] => string
```

```
REST (POST parameters)

field= string
```

key (Default to "")

Key name

```
General structure

string  Default to "" //Key name
```

```
XML-RPC (PHP structure)

[key] => string
```

```
REST (POST parameters)

key= string
```

index (Default to "")

Index name

?

```
General structure

string  Default to "" //Index name
```

```
XML-RPC (PHP structure)

[index] => string
```

```
REST (POST parameters)

index= string
```

position (Required)

How many positions to move by (negative - up, positive - down)

```
General structure

int   //How many positions to move by (negative - up, positive - down)
```

```
XML-RPC (PHP structure)

[position] => int
```

```
REST (POST parameters)

position= int
```

Response

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<EXCEPTION class="invalid_parameter_exception">
    <MESSAGE>Invalid parameter value detected</MESSAGE>
    <DEBUGINFO></DEBUGINFO>
</EXCEPTION>
```

Restricted to logged-in users

Yes

Callable from AJAX

Yes

?