Moodle Dev 3.1 Test

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API Documentation

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

Print all

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.
```

ADMIN BOOKMARKS

Bookmark this page

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

```
object {
badges list of (
object {
id int  Optional //Badge id.
name string   //Badge name.
description string   //Badge description.
badgeurl string   //Badge URL.
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.
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.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [badges] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [name] => string
                    [description] => string
                    [badgeurl] => 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
                    [status] => int
                    [issuedid] => int
                    [uniquehash] => string
                    [dateissued] => int
                    [dateexpire] => int
                    [visible] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="badgeurl">
                        <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="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>
                </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_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 = MARKD
OWN)
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 "1470066661" //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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    )
            )
    )
```

```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
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<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_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
)}
```

XML-RPC (PHP structure)


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

REST (POST parameters)

```
events[eventids][0]= int
events[courseids][0]= int
events[groupids][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 global 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 nul
l 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
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    )
            )
    )
```

```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_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 b
ehaviour
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 valu
e 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 o
r 4 = MARKDOWN)
visible int  Optional //cohort visible
}
)
```

XML-RPC (PHP structure)

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

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
```

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
}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [idnumber] => string
            [description] => string
            [descriptionformat] => int
            [visible] => 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="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>
        </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
}
)
```

XML-RPC (PHP structure)

```
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [name] => string
                [idnumber] => string
                [description] => string
                [descriptionformat] => int
                [visible] => 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="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>
        </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_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 valu
e 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 o
r 4 = MARKDOWN)
visible int  Optional //cohort visible
}
)
```

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
                )
        )
```

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
```

Response

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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)

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
```

Response

General structure

```
object {
comments   //List of comments
list of (
  //comment
object {
id int   //Comment ID
content string   //The content text formated
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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
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
                        )
                )
        [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="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```


Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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>
```

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 4 = MARKDOWN)
sortorder int  Default to "null" //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 o
r 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>
```

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

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 o
r 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

```
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
```

```
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
            [collapsediconurl] => 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
        )
```

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

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>
```

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

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

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
}
```

```
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
    )
```

```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)

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
}
```

```
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
    )
```

```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)

```
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
}
```

```
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
    )
```

```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 o
r 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
}
)
```

```
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 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
}
)
```

```
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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")

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 o
r 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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 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
}
}
)
```

```
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
                    )
            )
    )
```

```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_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

```
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 o
r 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
}
}
)
```

```
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
                    )
            )
    )
```

```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, p
arents, 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 o
r 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
}
)
```

```
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 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
}
)
```

```
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
)
```

```
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
                    [collapsediconurl] => 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
            )
        )
```

```xml
<?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="collapsediconurl">
                    <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 o
r 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>
```

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 o
r 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
}
```

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

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

```
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
```

```
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
            [collapsediconurl] => 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
        )
```

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

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 o
r 4 = MARKDOWN)
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
competencycount int   //competencycount
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 o
r 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 list of (
object {
contextid int   //contextid
component string   //component
filearea string   //filearea
itemid int   //itemid
filepath string   //filepath
filename string   //filename
isdir int   //isdir
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
iconurl string   //iconurl
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
}
```

```
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
                    [timemodified] => int
                    [timecreated] => int
                    [filesize] => int
                    [author] => string
                    [license] => string
                    [filenameshort] => string
                    [filesizeformatted] => string
                    [icon] => string
                    [iconurl] => string
                    [timecreatedformatted] => string
                    [timemodifiedformatted] => string
                    [url] => string
                    )
            )
    [hasurlorfiles] => int
    [urlshort] => string
    )
```

```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="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="iconurl">
                        <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

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>
```

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 o
r 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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 o
r 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 o
r 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 o
r 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

```
object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
```

```
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
            [collapsediconurl] => 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
        )
```

```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="collapsediconurl">
                    <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 o
r 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   //comment ID
modname string   //activity module name
instance int   //instance ID
state int   //completion state value:
                                                                    0 means incomplete, 1 com
plete,
                                                                    2 complete pass, 3 comple
te fail
timecompleted int   //timestamp for completed activity
tracking int   //type of tracking:
                                                                    0 means none, 1 manual, 2
 automatic
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
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
                        )
                )
        [warnings] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [item] => string
                        [itemid] => int
                        [warningcode] => string
                        [message] => string
                        )
                )
        )
```

REST


```
<?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>
                </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

```
  //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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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 b
ehaviour
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_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 b
ehaviour
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_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 cre
ated
                                        - 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 o
r 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

```
  //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 = MA
RKDOWN)
format string  Default to "weeks" //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
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. Disab
led,
                                        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
}
)}
)
```

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
                [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
                                )
                        )
                )
        )
```

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][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
```

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 b
ehaviour
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), without user data

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 "1")

0

General structure


```
list of (
object {
name string   //The backup option name:
                                                "activities" (int) Include course activites (defa
ult 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),
                                                "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 compl
etion information  (default to 0 that is equal to no),
                                                "logs" (int) Include course logs  (default to 0 t
hat is equal to no),
                                                "grade_histories" (int) Include histories  (defau
lt 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_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,"name" (string) the category name,"parent" (int) the parent category id,"idnumbe
r" (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:viewhiddencatego
ries' to search on visible,"theme" (string) only return the categories having this theme - us
er 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
}
)
```

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

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 c
ontents (i.e: files inside a resource)
                                                    sectionid (int) Return only this section
                                                    sectionnumber (int) Return only this section
with number (order)
                                                    cmid (int) Return only this module informatio
n (among the whole sections structure)
                                                    modname (string) Return only modules with thi
s 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 v
alidated 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)
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
description string  Optional //activity description
visible int  Optional //is the module visible
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
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
userid int   //User who added this content to moodle
author string   //Content owner
license string   //Content license
}
)}
)}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [visible] => int
            [summary] => string
            [summaryformat] => int
            [modules] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [url] => string
                            [name] => string
                            [instance] => int
                            [description] => string
                            [visible] => int
                            [modicon] => string
                            [modname] => string
                            [modplural] => string
                            [availability] => string
                            [indent] => int
                            [contents] =>
                                Array
                                    (
                                    [0] =>
                                        Array
                                            (
                                            [type] => string

                                            [filename] => string

                                            [filepath] => string

                                            [filesize] => int

                                            [fileurl] => string

                                            [content] => string

                                            [timecreated] => int

                                            [timemodified] => int

                                            [sortorder] => int

                                            [userid] => int

                                            [author] => string

                                            [license] => string

                                            )
                                    )
                            )
                    )
            )
    )
```

```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="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="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="visible">
                            <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="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="userid">
                                        <VALUE>int</VALUE>
                                    </KEY>
                                    <KEY name="author">
                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="license">
                                        <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_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
visibleold int  Optional //Visible old
completiongradeitemnumber int  Optional //Completion grade item
completionview int  Optional //Completion view setting
completionexpected int  Optional //Completion time expected
showdescription int  Optional //If the description is showed
availability string  Optional //Availability settings
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
            [visibleold] => int
            [completiongradeitemnumber] => int
            [completionview] => int
            [completionexpected] => int
            [showdescription] => int
            [availability] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="visibleold">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completiongradeitemnumber">
                    <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="availability">
                    <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
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
visibleold int  Optional //Visible old
completiongradeitemnumber int  Optional //Completion grade item
completionview int  Optional //Completion view setting
completionexpected int  Optional //Completion time expected
showdescription int  Optional //If the description is showed
availability string  Optional //Availability settings
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
            [visibleold] => int
            [completiongradeitemnumber] => int
            [completionview] => int
            [completionexpected] => int
            [showdescription] => int
            [availability] => string
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="visibleold">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="completiongradeitemnumber">
                    <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="availability">
                    <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
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
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. Disba
led,
                                        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
}
)}
)
```

```
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
            [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
                            )
                    )
            )
    )
```

```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="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>
        </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_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 "0")

0

```
General structure

list of (
object {
name string   //The backup option name:
                                          "activities" (int) Include course activites (defa
ult 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_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), bl
ocklist (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
```

```
General structure

int  Default to "0" //limit to enrolled courses
```

```
XML-RPC (PHP structure)

[limittoenrolled] => int
```

```
REST (POST parameters)

limittoenrolled= 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
categoryid int   //category id
categoryname string   //category name
summary string   //summary
summaryformat int   //summary format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
overviewfiles   //additional overview files attached to this course
list of (
object {
filename string   //overview file name
fileurl string   //overview file url
filesize int   //overview file size
}
)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
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [total] => int
    [courses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [displayname] => string
                    [shortname] => string
                    [categoryid] => int
                    [categoryname] => string
                    [summary] => string
                    [summaryformat] => int
                    [overviewfiles] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [fileurl] => string

                                    [filesize] => int

                                    )
                            )
                    [contacts] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string

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

```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="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summary">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="summaryformat">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="overviewfiles">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="filesize">
                                    <VALUE>int</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </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>
                </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_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 o
r 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

```
  //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
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. Disab
led,
                                        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
}
)}
)
```

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
                [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
                                )
                        )
                )
        )
```

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][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
```

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 b
ehaviour
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 b
ehaviour
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_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)

```
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. * 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 co
urse has groups enabled and this param
                                                        isn't defined, returns all the viewable users
.
                                                        This option requires 'moodle/site:accessallgr
oups' on the course context if the
                                                        user doesn't belong to the group.
                            * onlyactive (integer) return only users with active enrolments a
nd matching time restrictions. This option requires 'moodle/course:enrolreview' on the course
 context.
                            * userfields ('string, string, ...') return only the values of th
ese 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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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)
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
url string  Optional //URL 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 th
e 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
}
)}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [icq] => string
            [skype] => string
            [yahoo] => string
            [aim] => string
            [msn] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [url] => 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
                                )
                        )
                )
        )
```

```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="icq">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="skype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="yahoo">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="aim">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="msn">
                <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="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
```

```
            <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. Require
s 'moodle/course:enrolreview' .
                            * userfields ('string, string, ...') return only the values of th
ese user fields.
                            * limitfrom (integer) sql limit from.
                            * limitnumber (integer) max number of users per course and capabi
lity.
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
```

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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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)
description string  Optional //User profile description
descriptionformat int  Optional //User profile description format
city string  Optional //Home city of the user
url string  Optional //URL 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 th
e 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
}
)}
)}
)
```

```
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
                            [icq] => string
                            [skype] => string
                            [yahoo] => string
                            [aim] => string
                            [msn] => string
                            [department] => string
                            [institution] => string
                            [interests] => string
                            [firstaccess] => int
                            [lastaccess] => int
                            [description] => string
                            [descriptionformat] => int
                            [city] => string
                            [url] => 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

                                                )
                                        )
                                )
                            )
                        )
                    )
```

```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="icq">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="skype">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="yahoo">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="aim">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="msn">
                            <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="description">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="descriptionformat">
```

```
        <VALUE>int</VALUE>
    </KEY>
    <KEY name="city">
        <VALUE>string</VALUE>
    </KEY>
    <KEY name="url">
        <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_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
```

Response

General structure

```
list of (
object {
id int   //id of course
shortname string   //short name of course
fullname string   //long name of course
enrolledusercount int   //Number of enrolled users in this course
idnumber string   //id number of course
visible int   //1 means visible, 0 means hidden 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
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
}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [shortname] => string
            [fullname] => string
            [enrolledusercount] => int
            [idnumber] => string
            [visible] => int
            [summary] => string
            [summaryformat] => int
            [format] => string
            [showgrades] => int
            [lang] => string
            [enablecompletion] => int
            )
    )
```

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>
            <KEY name="fullname">
                <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="showgrades">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="lang">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="enablecompletion">
                <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_fetch_notifications

Return a list of notifications for the current session

Arguments
contextid (Required)

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_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 **isd**
ir 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*
}
)}

```
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
                    )
            )
    )
```

```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_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_get_component_strings

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 s
end 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_grades_get_grades

Returns student course total grade and grades for activities. This function does not return category or manual items. This function is suitable for managers or teachers not students.

Arguments

courseid (Required)

id of course

General structure

```
int   //id of course
```

XML-RPC (PHP structure)

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

REST (POST parameters)

```
courseid= int
```

component (Default to "")

A component, for example mod_forum or mod_quiz

General structure

```
string  Default to "" //A component, for example mod_forum or mod_quiz
```

XML-RPC (PHP structure)

```
[component] => string
```

REST (POST parameters)

```
component= string
```

activityid (Default to "null")

The activity ID

General structure

```
int  Default to "null" //The activity ID
```

XML-RPC (PHP structure)

```
[activityid] => int
```

REST (POST parameters)

```
activityid= int
```

userids (Default to "Array ( ) ")

An array of user IDs, leave empty to just retrieve grade item information

General structure

```
 Default to "Array
(
)
" //An array of user IDs, leave empty to just retrieve grade item information
list of (
int   //user ID
)
```

XML-RPC (PHP structure)

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

REST (POST parameters)

```
userids[0]= int
```

Response

General structure

```
object {
items list of (
object {
activityid string   //The ID of the activity or "course" for the course grade item
itemnumber int   //Will be 0 unless the module has multiple grades
scaleid int   //The ID of the custom scale or 0
name string   //The module name
grademin double   //Minimum grade
grademax double   //Maximum grade
gradepass double   //The passing grade threshold
locked int   //0 means not locked, > 1 is a date to lock until
hidden int   //0 means not hidden, > 1 is a date to hide until
grades list of (
object {
userid int   //Student ID
grade double   //Student grade
locked int   //0 means not locked, > 1 is a date to lock until
hidden int   //0 means not hidden, 1 hidden, > 1 is a date to hide until
overridden int   //0 means not overridden, > 1 means overridden
feedback string   //Feedback from the grader
feedbackformat int   //The format of the feedback
usermodified int   //The ID of the last user to modify this student grade
datesubmitted int   //A timestamp indicating when the student submitted the activity
dategraded int   //A timestamp indicating when the assignment was grades
str_grade string   //A string representation of the grade
str_long_grade string   //A nicely formatted string representation of the grade
str_feedback string   //A formatted string representation of the feedback from the grader
}
)}
)outcomes  Optional //An array of outcomes associated with the grade items
list of (
object {
activityid string   //The ID of the activity or "course" for the course grade item
itemnumber int   //Will be 0 unless the module has multiple grades
scaleid int   //The ID of the custom scale or 0
name string   //The module name
locked int   //0 means not locked, > 1 is a date to lock until
hidden int   //0 means not hidden, > 1 is a date to hide until
grades list of (
object {
userid int   //Student ID
grade double   //Student grade
locked int   //0 means not locked, > 1 is a date to lock until
hidden int   //0 means not hidden, 1 hidden, > 1 is a date to hide until
feedback string   //Feedback from the grader
feedbackformat int   //The feedback format
usermodified int   //The ID of the last user to modify this student grade
str_grade string   //A string representation of the grade
str_feedback string   //A formatted string representation of the feedback from the grader
}
)}
)}
```

```
Array
    (
    [items] =>
        Array
            (
            [0] =>
                Array
                    (
                    [activityid] => string
                    [itemnumber] => int
                    [scaleid] => int
                    [name] => string
                    [grademin] => double
                    [grademax] => double
                    [gradepass] => double
                    [locked] => int
                    [hidden] => int
                    [grades] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [userid] => int

                                    [grade] => double

                                    [locked] => int

                                    [hidden] => int

                                    [overridden] => int

                                    [feedback] => string

                                    [feedbackformat] => int

                                    [usermodified] => int

                                    [datesubmitted] => int

                                    [dategraded] => int

                                    [str_grade] => string

                                    [str_long_grade] => string

                                    [str_feedback] => string

                                    )
                            )
                    )
            )
    [outcomes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [activityid] => string
                    [itemnumber] => int
                    [scaleid] => int
                    [name] => string
                    [locked] => int
                    [hidden] => int
                    [grades] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [userid] => int
```

```
                                        [grade] => double

                                        [locked] => int

                                        [hidden] => int

                                        [feedback] => string

                                        [feedbackformat] => int

                                        [usermodified] => int

                                        [str_grade] => string

                                        [str_feedback] => string

                                        )
                                )
                        )
                )
        )
```

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="items">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="activityid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemnumber">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="grademin">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="grademax">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="gradepass">
                        <VALUE>double</VALUE>
                    </KEY>
                    <KEY name="locked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grades">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="grade">
                                    <VALUE>double</VALUE>
                                </KEY>
                                <KEY name="locked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="hidden">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="overridden">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="feedback">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="feedbackformat">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="usermodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="datesubmitted">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="dategraded">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="str_grade">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="str_long_grade">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="str_feedback">
                                    <VALUE>string</VALUE>
```

```
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="outcomes">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="activityid">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemnumber">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="scaleid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="name">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="locked">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="hidden">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="grades">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="userid">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="grade">
                                    <VALUE>double</VALUE>
                                </KEY>
                                <KEY name="locked">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="hidden">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="feedback">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="feedbackformat">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="usermodified">
                                    <VALUE>int</VALUE>
                                </KEY>
                                <KEY name="str_grade">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="str_feedback">
                                    <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

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 = MA
RKDOWN)
}
)}
)}
}
)}
```

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

```
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] => strin
g

                                                            [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] => do
uble
                                                                                [definition]
=> string
                                                                                [definitionfo
rmat] => int
                                                                                )
                                                                        )

                                                                )
                                                        )

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

```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 = MARKDO
WN)
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    )
                )
            )
```

```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

```
  //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 = MA
RKDOWN)
}
)}
)}
}
)}
)
```

```
[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] => strin
g

                                        [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 o
r 4 = MARKDOWN)
idnumber string  Optional //id number
}
)
```

XML-RPC (PHP structure)


```
[groupings] =>
    Array
        (
        [0] =>
            Array
                (
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [idnumber] => string
                )
        )
```

REST (POST parameters)

```
groupings[0][courseid]= int
groupings[0][name]= string
groupings[0][description]= string
groupings[0][descriptionformat]= int
groupings[0][idnumber]= 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
}
)
```

XML-RPC (PHP structure)

```
[groupings] =>
    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_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 o
r 4 = MARKDOWN)
enrolmentkey string  Optional //group enrol secret phrase
idnumber string  Optional //id number
}
)
```

XML-RPC (PHP structure)


```
[groups] =>
    Array
        (
        [0] =>
            Array
                (
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [idnumber] => 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
```

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 enrolme
nt 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
}
)
```

XML-RPC (PHP structure)

```
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [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="enrolmentkey">
                <VALUE>string</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_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_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_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   //multilang compatible name, course unique
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 b
ehaviour
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_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 b
ehaviour
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   //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
}
)
```

XML-RPC (PHP structure)


```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [courseid] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [enrolmentkey] => string
            [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="enrolmentkey">
                <VALUE>string</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_user_groups

Returns all groups in specified course for the specified user.

Arguments

courseid (Required)

id of course

General structure

```
int   //id of course
```

XML-RPC (PHP structure)

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

REST (POST parameters)

```
courseid= int
```

userid (Required)

id of user

General structure

```
int   //id of 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   //multilang compatible name, course unique
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 b
ehaviour
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_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
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
}
)}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [courseid] => int
            [name] => string
            [description] => string
            [descriptionformat] => int
            [idnumber] => string
            [groups] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [courseid] => int
                            [name] => string
                            [description] => string
                            [descriptionformat] => int
                            [enrolmentkey] => string
                            [idnumber] => string
                            )
                    )
            )
    )
```

REST


```xml
<?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="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>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
    </MULTIPLE>
</RESPONSE>
```


Error message

REST


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


Restricted to logged-in users
Yes

Callable from AJAX
No

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_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   //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
}
)
```

XML-RPC (PHP structure)

```
    Array
        (
        [0] =>
            Array
                (
                [id] => int
                [courseid] => int
                [name] => string
                [description] => string
                [descriptionformat] => int
                [enrolmentkey] => string
                [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="enrolmentkey">
                <VALUE>string</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_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>
```

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 o
r 4 = MARKDOWN)
idnumber string  Optional //id number
}
)
```

```
XML-RPC (PHP structure)

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

```
REST (POST parameters)

groupings[0][id]= int
groupings[0][name]= string
groupings[0][description]= string
groupings[0][descriptionformat]= int
groupings[0][idnumber]= 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_message_block_contacts

Block contacts

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
```

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 b
ehaviour
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_message_create_contacts

Add contacts to 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
```

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 b
ehaviour
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_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
```

Response

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_delete_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 b
ehaviour
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_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 b
ehaviour
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>
```

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_contacts

Retrieve the contact list

Arguments

Response

General structure

```
object {
online   //List of online 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
unread int   //Unread message count
}
)offline   //List of offline 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
unread int   //Unread message count
}
)strangers   //List of users that are not in the user's contact list but have sent a message
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
unread int   //Unread message count
}
)}
```

```
Array
    (
    [online] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [unread] => int
                    )
            )
    [offline] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [unread] => int
                    )
            )
    [strangers] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [profileimageurl] => string
                    [profileimageurlsmall] => string
                    [unread] => int
                    )
            )
    )
```

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="online">
            <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>
                    <KEY name="unread">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="offline">
            <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>
                    <KEY name="unread">
                        <VALUE>int</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
        <KEY name="strangers">
            <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>
                    <KEY name="unread">
                        <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_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-rep
ly 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, co
nversations and both
```

XML-RPC (PHP structure)

```
[type] => string
```

REST (POST parameters)

```
type= string
```

read (Default to "1")

true for getting read messages, false for unread

General structure

```
int  Default to "1" //true for getting read messages, false for unread
```

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

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

```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>
                </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_mark_message_read

Mark a single message as read, trigger message_viewed event.

Arguments

messageid (Required)

id of the message (in the message table)

General structure

```
int   //id of the message (in the message table)
```

XML-RPC (PHP structure)

```
[messageid] => int
```

REST (POST parameters)

```
messageid= int
```

timeread (Required)

timestamp for when the message should be marked read

General structure

```
int   //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 message_read 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 b
ehaviour
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

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

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 "1" //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, th
e 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
}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [msgid] => int
            [clientmsgid] => string
            [errormessage] => string
            )
    )
```

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>
        </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_unblock_contacts

Unblock contacts

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
```

Response

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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, e
ven 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
No

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
```

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 erro
rcode 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 no
t 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>
```

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

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

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

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


Error message


```
REST

<?xml version="1.0" encoding="UTF-8"?>
<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 erro
rcode 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 no
t be modified), or badid (note does not exist)
message string   //untranslated english message to explain the warning
}
)}
```

```
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 erro
rcode 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 no
t 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 b
ehaviour
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_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
```

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_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 b
ehaviour
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_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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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_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_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_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  Default to "1" //int format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MA
RKDOWN)
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 b
ehaviour
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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 b
ehaviour
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

```
int   //identifier of the updated item
```

XML-RPC (PHP structure)

```
[itemid] => int
```

REST (POST parameters)

```
itemid= int
```

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
type string  Optional //type of the element (text, toggle, select)
options string  Optional //options of the element, format depends on type
linkeverything int  Optional //Should everything be wrapped in the edit link or link displaye
d separately
}
```

XML-RPC (PHP structure)

```
    Array
        (
        [displayvalue] => string
        [component] => string
        [itemtype] => string
        [value] => string
        [itemid] => string
        [edithint] => string
        [editlabel] => 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="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
```

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 b
ehaviour
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_create_users

Create users.

Arguments
users (Required)

General structure


```
list of (
object {
username string   //Username policy is defined in Moodle security config.
password string  Optional //Plain text password consisting of any characters
createpassword int  Optional //True if password should be created and mailed to user.
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
auth string  Default to "manual" //Auth plugins include manual, ldap, imap, etc
idnumber string  Default to "" //An arbitrary ID code number perhaps from the institution
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 o
n 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, no HTML
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
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
preferences  Optional //User preferences
list of (
object {
type string   //The name of the preference
value string   //The value of the preference
}
)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
}
)}
)
```

XML-RPC (PHP structure)


```
[users] =>
    Array
        (
        [0] =>
            Array
                (
                [username] => string
                [password] => string
                [createpassword] => int
                [firstname] => string
                [lastname] => string
                [email] => string
                [auth] => string
                [idnumber] => string
                [lang] => string
                [calendartype] => string
                [theme] => string
                [timezone] => string
                [mailformat] => int
                [description] => string
                [city] => string
                [country] => string
                [firstnamephonetic] => string
                [lastnamephonetic] => string
                [middlename] => string
                [alternatename] => string
                [preferences] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                [customfields] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string
                                [value] => string
                                )
                        )
                )
        )
```

REST (POST parameters)


```
users[0][username]= string
users[0][password]= string
users[0][createpassword]= int
users[0][firstname]= string
users[0][lastname]= string
users[0][email]= string
users[0][auth]= string
users[0][idnumber]= string
users[0][lang]= string
users[0][calendartype]= string
users[0][theme]= string
users[0][timezone]= string
users[0][mailformat]= int
users[0][description]= string
users[0][city]= string
users[0][country]= string
users[0][firstnamephonetic]= string
users[0][lastnamephonetic]= string
users[0][middlename]= string
users[0][alternatename]= string
users[0][preferences][0][type]= string
users[0][preferences][0][value]= string
users[0][customfields][0][type]= string
users[0][customfields][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>
```

REST

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

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

```
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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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, imap, etc
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
url string  Optional //URL 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
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 custom field
}
)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 th
e 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
}
)}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [icq] => string
            [skype] => string
            [yahoo] => string
            [aim] => string
            [msn] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [url] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => 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
                                )
                        )
                )
        )
```

```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="icq">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="skype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="yahoo">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="aim">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="msn">
                <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="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="url">
            <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="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_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 => 'manua
l', ...) -
                        key occurences are forbidden.
                        The search is executed with AND operator on the criterias. Invalid cr
iterias (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 som
e 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 s
earching 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 searchin
g 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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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, imap, etc
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
url string  Optional //URL 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
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 custom field
}
)}
)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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [users] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [username] => string
                    [firstname] => string
                    [lastname] => string
                    [fullname] => string
                    [email] => string
                    [address] => string
                    [phone1] => string
                    [phone2] => string
                    [icq] => string
                    [skype] => string
                    [yahoo] => string
                    [aim] => string
                    [msn] => string
                    [department] => string
                    [institution] => string
                    [idnumber] => string
                    [interests] => string
                    [firstaccess] => int
                    [lastaccess] => int
                    [auth] => string
                    [confirmed] => int
                    [lang] => string
                    [calendartype] => string
                    [theme] => string
                    [timezone] => string
                    [mailformat] => int
                    [description] => string
                    [descriptionformat] => int
                    [city] => string
                    [url] => string
                    [country] => string
                    [profileimageurlsmall] => string
                    [profileimageurl] => string
                    [customfields] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [type] => string

                                    [value] => 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
                        )
                )
        )
```

```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="icq">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="skype">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="yahoo">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="aim">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="msn">
                        <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="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="url">
    <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="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()

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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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, imap, etc
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
url string  Optional //URL 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
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 custom field
}
)}
)
```

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
            [icq] => string
            [skype] => string
            [yahoo] => string
            [aim] => string
            [msn] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [url] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

```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="icq">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="skype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="yahoo">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="aim">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="msn">
                <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="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="url">
                <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="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 r
emoved
```

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 b
ehaviour
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

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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.
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
auth string  Optional //Auth plugins include manual, ldap, imap, etc
idnumber string  Optional //An arbitrary ID code number perhaps from the institution
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, no HTML
city string  Optional //Home city of the user
country string  Optional //Home country code of the user, such as AU or CZ
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
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
                [password] => string
                [firstname] => string
                [lastname] => string
                [email] => string
                [auth] => string
                [idnumber] => string
                [lang] => string
                [calendartype] => string
                [theme] => string
                [timezone] => string
                [mailformat] => int
                [description] => string
                [city] => string
                [country] => string
                [firstnamephonetic] => string
                [lastnamephonetic] => string
                [middlename] => string
                [alternatename] => string
                [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][password]= string
users[0][firstname]= string
users[0][lastname]= string
users[0][email]= string
users[0][auth]= string
users[0][idnumber]= string
users[0][lang]= string
users[0][calendartype]= string
users[0][theme]= string
users[0][timezone]= string
users[0][mailformat]= int
users[0][description]= string
users[0][city]= string
users[0][country]= string
users[0][firstnamephonetic]= string
users[0][lastnamephonetic]= string
users[0][middlename]= string
users[0][alternatename]= string
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

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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 b
ehaviour
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 b
ehaviour
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   //user 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 se
t to NO and guestaccess is set to YES.
                    In order to retrieve user profile pictures independently of the Moodle co
nfig, 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 ca
n ignore the upload file size
userhomepage int  Optional //the default home page for the user: 0 for the site home, 1 for d
ashboard
}
```

```
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
    )
```

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

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<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_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 b
ehaviour
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_manual_enrol_users

Manual enrol users

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_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 b
ehaviour
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_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")

General structure

```
int  Default to "0" //Return grades only for this user (optional)
```

XML-RPC (PHP structure)

```
[userid] => int
```

REST (POST parameters)

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

```
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

                                            [celltype] => 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

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

```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="celltype">
                                            <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>
                        </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 b
ehaviour
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

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 b
ehaviour
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_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

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

```
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
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
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
configs   //configuration settings
list of (
  //assignment configuration object
object {
id int   //assign_plugin_config id
assignment int   //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 a
ctivity configuration
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
introattachments  Optional //intro attachments files
list of (
object {
filename string   //file name
mimetype string   //mime type
fileurl string   //file download url
}
)}
)}
)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 m
odule then itemid is a module id
warningcode string   //errorcode can be 1 (no access rights) or 2 (not enrolled or no permiss
ions)
message string   //untranslated english message to explain the warning
}
```

```
) }
```

```
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

                                    [teamsubmission] => int

                                    [requireallteammemberssubmit] => int

                                    [teamsubmissiongroupingid] => int

                                    [blindmarking] => int

                                    [revealidentities] => int

                                    [attemptreopenmethod] => string

                                    [maxattempts] => int

                                    [markingworkflow] => int

                                    [markingallocation] => int

                                    [requiresubmissionstatement] => int

                                    [configs] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [id] => int
```

```
                                [assignment] => int

                                [plugin] => string

                                [subtype] => string

                                [name] => string

                                [value] => string

                                )
                            )
                        [intro] => string

                        [introformat] => int

                        [introattachments] =>
                            Array
                                (
                                [0] =>
                                    Array
                                        (
                                        [filename] => string

                                        [mimetype] => string

                                        [fileurl] => string

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

```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="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="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="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="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="introattachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </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_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
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
}
)}
```

```
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
                    )
            )
    )
```

```xml
<?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
blindmarking int   //is blind marking enabled for this assignment
groupid int  Optional //for group assignments this is the group id
groupname string  Optional //for group assignments this is the group name
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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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, imap, etc
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
url string  Optional //URL 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
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 custom field
}
)}
}
```

```
Array
    (
    [id] => int
    [fullname] => string
    [submitted] => int
    [requiregrading] => int
    [blindmarking] => int
    [groupid] => int
    [groupname] => string
    [user] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [icq] => string
            [skype] => string
            [yahoo] => string
            [aim] => string
            [msn] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [auth] => string
            [confirmed] => int
            [lang] => string
            [calendartype] => string
            [theme] => string
            [timezone] => string
            [mailformat] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [url] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            )
    )
```

```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="blindmarking">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="groupid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="groupname">
            <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="icq">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="skype">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="yahoo">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="aim">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="msn">
                    <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="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="url">
    <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="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_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
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 (
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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)
}
)}
)}
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [assignments] =>
        Array
            (
            [0] =>
                Array
                    (
                    [assignmentid] => int
                    [submissions] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [userid] => int

                                    [attemptnumber] => int

                                    [timecreated] => int

                                    [timemodified] => 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
                                                                                    (
                                                                                    [file
path] => string

                                                                                    [file
url] => string

                                                                                    )
                                                                            )

                                                                    )
                                                            )

                                                    [editorfields] =>
                                                        Array
                                                            (
                                                            [0] =>
                                                                Array
```

```
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                
(
[name] => string

[description] => stri
ng

[text] => string

[format] => int

)
)

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

```xml
<?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="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="filepath">
                                                                        <VALUE>string</VALUE>
                                                                    </KEY>
                                                                    <KEY name="fileurl">
                                                                        <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>
                            </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_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
```

Response

```
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 int   //Whether we need to warn people that there
                                                                        are users without gro
ups.
}
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
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 (
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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)
}
)}
)}
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
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 (
```

```
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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)
}
)}
)}
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.
cansubmit int   //Whether the user can submit.
extensionduedate int   //Extension due date.
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
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 (
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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
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 (
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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)
}
)}
)}
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
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 (
object {
filepath string   //file path
fileurl string  Optional //file download url
}
)}
)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)
```

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

```
Array
    (
    [gradingsummary] =>
        Array
            (
            [participantcount] => int
            [submissiondraftscount] => int
            [submissionsenabled] => int
            [submissionssubmittedcount] => int
            [submissionsneedgradingcount] => int
            [warnofungroupedusers] => int
            )
    [lastattempt] =>
        Array
            (
            [submission] =>
                Array
                    (
                    [id] => int
                    [userid] => int
                    [attemptnumber] => int
                    [timecreated] => int
                    [timemodified] => 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
                                                                    (
                                                                    [filepath] => string

                                                                    [fileurl] => string

                                                                    )
                                                            )

                                                    )
                                            )
                                    [editorfields] =>
                                        Array
                                            (
                                            [0] =>
                                                Array
                                                    (
                                                    [name] => string

                                                    [description] => string

                                                    [text] => string

                                                    [format] => int
```

```
                                                                )
                                                            )
                                                        )
                                                    )
                                                )
                                            )
                                        )
                                    )
                                )
                            )
                        )
                    )
                [teamsubmission] =>
                    Array
                        (
                        [id] => int
                        [userid] => int
                        [attemptnumber] => int
                        [timecreated] => int
                        [timemodified] => 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
                                                                        (
                                                                        [filepath] => string

                                                                        [fileurl] => string

                                                                        )
                                                                )

                                                        )
                                                )
                                        [editorfields] =>
                                            Array
                                                (
                                                [0] =>
                                                    Array
                                                        (
                                                        [name] => string

                                                        [description] => string

                                                        [text] => string

                                                        [format] => int

                                                        )
                                                )
                                        )
                                )
                            )
                        )
                [submissiongroup] => int
                [submissiongroupmemberswhoneedtosubmit] =>
                    Array
                        (
                        [0] => int
                        )
                [submissionsenabled] => int
```

```
                [locked] => int
                [graded] => int
                [canedit] => int
                [cansubmit] => int
                [extensionduedate] => int
                [blindmarking] => int
                [gradingstatus] => string
                [usergroups] =>
                    Array
                        (
                        [0] => int
                        )
            )
        [feedback] =>
            Array
                (
                [grade] =>
                    Array
                        (
                        [id] => int
                        [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
                                                                (
                                                                [filepath] => string

                                                                [fileurl] => string

                                                                )
                                                        )

                                                )
                                        )
                                [editorfields] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [name] => string

                                                [description] => string

                                                [text] => string

                                                [format] => int

                                                )
```

```
                                        )
                                    )
                                )
                            )
        [previousattempts] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [attemptnumber] => int
                        [submission] =>
                            Array
                                (
                                [id] => int
                                [userid] => int
                                [attemptnumber] => int
                                [timecreated] => int
                                [timemodified] => 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
                                                                                (
                                                                                [filepath] =>
 string

                                                                                [fileurl] =>
string

                                                                                )
                                                                        )

                                                                )
                                                        )

                                                [editorfields] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
                                                                [name] => string

                                                                [description] => string

                                                                [text] => string

                                                                [format] => int

                                                                )
                                                        )

                                                )
                                        )
                                    )
                                )
```

```
                [grade] =>
                    Array
                        (
                        [id] => int
                        [assignment] => int
                        [userid] => int
                        [attemptnumber] => int
                        [timecreated] => int
                        [timemodified] => int
                        [grader] => int
                        [grade] => string
                        [gradefordisplay] => string
                        )
                [feedbackplugins] =>
                    Array
                        (
                        [0] =>
                            Array
                                (
                                [type] => string

                                [name] => string

                                [fileareas] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [area] => string

                                                [files] =>
                                                    Array
                                                        (
                                                        [0] =>
                                                            Array
                                                                (
                                                                [filepath] => string

                                                                [fileurl] => string

                                                                )
                                                        )

                                                )
                                        )
                                [editorfields] =>
                                    Array
                                        (
                                        [0] =>
                                            Array
                                                (
                                                [name] => string

                                                [description] => string

                                                [text] => string

                                                [format] => int

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

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="gradingsummary">
            <SINGLE>
                <KEY name="participantcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissiondraftscount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissionsenabled">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissionssubmittedcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="submissionsneedgradingcount">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="warnofungroupedusers">
                    <VALUE>int</VALUE>
                </KEY>
            </SINGLE>
        </KEY>
        <KEY name="lastattempt">
            <SINGLE>
                <KEY name="submission">
                    <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="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="filepath">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                                <KEY name="fileurl">
                                                    <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="teamsubmission">
                <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="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="filepath">
                                                <VALUE>string</VALUE>
                                            </KEY>
                                            <KEY name="fileurl">
                                                <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="submissiongroup">
    <VALUE>int</VALUE>
</KEY>
<KEY name="submissiongroupmemberswhoneedtosubmit">
    <MULTIPLE>
        <VALUE>int</VALUE>
    </MULTIPLE>
</KEY>
<KEY name="submissionsenabled">
    <VALUE>int</VALUE>
</KEY>
<KEY name="locked">
    <VALUE>int</VALUE>
</KEY>
<KEY name="graded">
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</KEY>
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    </MULTIPLE>
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```

```
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                <KEY name="grade">
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                        </KEY>
                        <KEY name="assignment">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="attemptnumber">
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                        </KEY>
                        <KEY name="timecreated">
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                        </KEY>
                        <KEY name="timemodified">
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                        </KEY>
                        <KEY name="grader">
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                        </KEY>
                        <KEY name="grade">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="gradefordisplay">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
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                <KEY name="gradefordisplay">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="gradeddate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="plugins">
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                            </KEY>
                            <KEY name="name">
                                <VALUE>string</VALUE>
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                                        </KEY>
                                        <KEY name="files">
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                                                    </KEY>
                                                    <KEY name="fileurl">
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                                                    </KEY>
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                                        </KEY>
                                    </SINGLE>
                                </MULTIPLE>
                            </KEY>
                            <KEY name="editorfields">
                                <MULTIPLE>
                                    <SINGLE>
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                                        </KEY>
```

```
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                                    </KEY>
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                                        <VALUE>string</VALUE>
                                    </KEY>
                                    <KEY name="format">
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                                    </KEY>
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            <SINGLE>
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                </KEY>
                <KEY name="submission">
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                        </KEY>
                        <KEY name="userid">
                            <VALUE>int</VALUE>
                        </KEY>
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                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timecreated">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="timemodified">
                            <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>
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                                    </KEY>
                                    <KEY name="name">
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                                    </KEY>
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                                            <SINGLE>
                                                <KEY name="area">
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                                                </KEY>
                                                <KEY name="files">
                                                    <MULTIPLE>
                                                        <SINGLE>
                                                            <KEY name="filepath">
                                                                <VALUE>string</VALUE>
                                                            </KEY>
                                                            <KEY name="fileurl">
                                                                <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>
                        </KEY>
                        <KEY name="grade">
                            <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>
                        </KEY>
                        <KEY name="feedbackplugins">
                            <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="filepath">
                                                    <VALUE>string</VALUE>
                                                </KEY>
                                                <KEY name="fileurl">
                                                    <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="warnings">
                <MULTIPLE>
                    <SINGLE>
                        <KEY name="item">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="itemid">
                            <VALUE>int</VALUE>
                        </KEY>
                        <KEY name="warningcode">
                            <VALUE>string</VALUE>
                        </KEY>
                        <KEY name="message">
                            <VALUE>string</VALUE>
                        </KEY>
                    </SINGLE>
                </MULTIPLE>
            </KEY>
        </SINGLE>
</RESPONSE>
```


Error message

REST


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


Restricted to logged-in users
Yes

Callable from AJAX

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 us
er flags)
message string   //untranslated english message to explain the warning
}
)}
```

```
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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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
}
)}
```

```
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
```

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
icq string  Optional //icq number
skype string  Optional //skype id
yahoo string  Optional //yahoo id
aim string  Optional //aim id
msn string  Optional //msn number
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)
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
url string  Optional //URL 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
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 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
}
)enrolledcourses  Optional //Courses where the user is enrolled - limited by which courses th
e 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
groupid int  Optional //for group assignments this is the group id
groupname string  Optional //for group assignments this is the group name
```

```
}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [username] => string
            [firstname] => string
            [lastname] => string
            [fullname] => string
            [email] => string
            [address] => string
            [phone1] => string
            [phone2] => string
            [icq] => string
            [skype] => string
            [yahoo] => string
            [aim] => string
            [msn] => string
            [department] => string
            [institution] => string
            [idnumber] => string
            [interests] => string
            [firstaccess] => int
            [lastaccess] => int
            [description] => string
            [descriptionformat] => int
            [city] => string
            [url] => string
            [country] => string
            [profileimageurlsmall] => string
            [profileimageurl] => string
            [customfields] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [type] => string
                            [value] => string
                            [name] => string
                            [shortname] => string
                            )
                    )
            [preferences] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [name] => string
                            [value] => string
                            )
                    )
            [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
                [groupid] => int
                [groupname] => string
                )
        )
```

```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="icq">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="skype">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="yahoo">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="aim">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="msn">
                <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="description">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="descriptionformat">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="city">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="url">
```

```
            <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="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>
                </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="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 b
ehaviour
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 b
ehaviour
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

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 b
ehaviour
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 assignment
s).
```

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

```
 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)
}
)}
)}
}
```

```
[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

Admin User

```
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)
}
)}
)}
}
}
)
```

```
[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 b
ehaviour
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

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 b
ehaviour
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_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 b
ehaviour
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

Admin User

```
<?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 b
ehaviour
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 b
ehaviour
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_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 b
ehaviour
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 b
ehaviour
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   //Book id
coursemodule int   //Course module id
course int   //Course id
name string   //Book name
intro string   //The Book intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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
section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [books] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [numbering] => int
                    [navstyle] => int
                    [customtitles] => int
                    [revision] => int
                    [timecreated] => int
                    [timemodified] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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>
                    <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>
                </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 b
ehaviour
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 b
ehaviour
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_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   //Chat id
coursemodule int   //Course module id
course int   //Course id
name string   //Chat name
intro string   //The Chat intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
chatmethod string  Optional //chat method (sockets, daemon)
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
section int  Optional //course section id
visible int  Optional //visible
groupmode int  Optional //group mode
groupingid int  Optional //group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [chats] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [chatmethod] => string
                    [keepdays] => int
                    [studentlogs] => int
                    [chattime] => int
                    [schedule] => int
                    [timemodified] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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>
                    <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>
                </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_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 b
ehaviour
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_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 b
ehaviour
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 b
ehaviour
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 b
ehaviour
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 user responses

```
General structure

 Default to "Array
(
)
" //Array of response ids, empty for deleting all the 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 b
ehaviour
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
) }
```

```
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
<?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   //Choice instance id
coursemodule int   //Course module id
course int   //Course id
name string   //Choice name
intro string   //The choice intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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
section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [choices] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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="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>
                </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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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 b
ehaviour
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_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 (
  //Database
object {
id int   //Database id
coursemodule int   //Course module id
course int   //Course id
name string   //Database name
intro string   //The Database intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
comments int  Optional //comments enabled
timeavailablefrom int  Optional //timeavailablefrom field
timeavailableto int  Optional //timeavailableto field
timeviewfrom int  Optional //timeviewfrom field
timeviewto int  Optional //timeviewto field
requiredentries int  Optional //requiredentries field
requiredentriestoview int  Optional //requiredentriestoview field
maxentries int  Optional //maxentries field
rssarticles int  Optional //rssarticles field
singletemplate string  Optional //singletemplate field
listtemplate string  Optional //listtemplate field
listtemplateheader string  Optional //listtemplateheader field
listtemplatefooter string  Optional //listtemplatefooter field
addtemplate string  Optional //addtemplate field
rsstemplate string  Optional //rsstemplate field
rsstitletemplate string  Optional //rsstitletemplate field
csstemplate string  Optional //csstemplate field
jstemplate string  Optional //jstemplate field
asearchtemplate string  Optional //asearchtemplate field
approval int  Optional //approval field
manageapproved int  Optional //manageapproved field
scale int  Optional //scale field
assessed int  Optional //assessed field
assesstimestart int  Optional //assesstimestart field
assesstimefinish int  Optional //assesstimefinish field
defaultsort int  Optional //defaultsort field
defaultsortdir int  Optional //defaultsortdir field
editany int  Optional //editany field
notification int  Optional //notification field
timemodified int  Optional //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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [databases] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

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

Admin User

```
<?xml version="1.0" encoding="UTF-8"?>
<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 b
ehaviour
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 "-1")

The group, default to -1

```
General structure

int  Default to "-1" //The group, default to -1
```

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 discussi
on?, default to true
                                        discussionpinned    (bool); is the discussion pinned,
 default to false
                                        inlineattachmentsid              (int); the draft fil
e 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 ex
ternal 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 b
ehaviour
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 (only html format allowed)

General structure

```
string   //new post message (only html format allowed)
```

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 discussi
on?, default to true
                                        inlineattachmentsid              (int); the draft fil
e 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 ex
ternal 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 {
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 b
ehaviour
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
                        )
                )
        )
```

REST

```
<?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>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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 t
he 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.
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
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_forum_discussion_posts

Returns a list of forum posts for a discussion.

Arguments

discussionid (Required)

discussion ID

General structure

```
int   //discussion ID
```

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
```

Response

General structure

```
object {
posts list of (
  //post
object {
id int   //Post id
discussion int   //Discussion id
parent int   //Parent id
userid int   //User 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?
attachment string   //Has attachments?
attachments  Optional //attachments
list of (
object {
filename string   //file name
mimetype string   //mime type
fileurl string   //file download url
}
)totalscore int   //The post message total score
mailnow int   //Mail now?
children list of (
int   //children post id
)canreply int   //The user can reply to posts?
postread int   //The post was read
userfullname string   //Post author full name
userpictureurl string  Optional //Post author picture.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [posts] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [discussion] => int
                    [parent] => int
                    [userid] => int
                    [created] => int
                    [modified] => int
                    [mailed] => int
                    [subject] => string
                    [message] => string
                    [messageformat] => int
                    [messagetrust] => int
                    [attachment] => string
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [totalscore] => int
                    [mailnow] => int
                    [children] =>
                        Array
                            (
                            [0] => int
                            )
                    [canreply] => int
                    [postread] => int
                    [userfullname] => string
                    [userpictureurl] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="posts">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="id">
                        <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="attachment">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <VALUE>string</VALUE>
                                </KEY>
                            </SINGLE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="totalscore">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="mailnow">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="children">
                        <MULTIPLE>
                            <VALUE>int</VALUE>
                        </MULTIPLE>
                    </KEY>
                    <KEY name="canreply">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="postread">
                        <VALUE>int</VALUE>
                    </KEY>
```

```
                <KEY name="userfullname">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="userpictureurl">
                    <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_forum_get_forum_discussions_paginated

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 time
end
```

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?
attachment string   //Has attachments?
attachments  Optional //attachments
list of (
object {
filename string   //file name
mimetype string   //mime type
fileurl string   //file download url
}
)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 string   //The number of replies in the discussion
numunread int   //The number of unread discussions.
pinned int   //Is the discussion pinned
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => string
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [totalscore] => int
                    [mailnow] => int
                    [userfullname] => string
                    [usermodifiedfullname] => string
                    [userpictureurl] => string
                    [usermodifiedpictureurl] => string
                    [numreplies] => string
                    [numunread] => int
                    [pinned] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>string</VALUE>
                    </KEY>
                    <KEY name="numunread">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="pinned">
                        <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)
assessed int   //Aggregate type
assesstimestart int   //Assess start time
assesstimefinish int   //Assess finish time
scale int   //Scale
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
}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [course] => int
            [type] => string
            [name] => string
            [intro] => string
            [introformat] => int
            [assessed] => int
            [assesstimestart] => int
            [assesstimefinish] => int
            [scale] => 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
            )
    )
```

```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="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="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>
        </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_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 b
ehaviour
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 b
ehaviour
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_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 entri
es 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
) }
```

```
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

Admin User

```
<?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 b
ehaviour
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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
) }
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
categoryid int  Default to "-1" //The category ID. This may be '-1' when the entry is not cat
egorised
categoryname string  Default to "" //The category name. May be empty when the entry is not ca
tegorised, or the request was limited to one category.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    [categoryid] => int
                    [categoryname] => string
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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="categoryid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="categoryname">
                        <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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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 create
d 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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [attachment] => int
                    [attachments] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [filename] => string

                                    [mimetype] => string

                                    [fileurl] => string

                                    )
                            )
                    [timecreated] => int
                    [timemodified] => int
                    [teacherentry] => int
                    [sourceglossaryid] => int
                    [usedynalink] => int
                    [casesensitive] => int
                    [fullmatch] => int
                    [approved] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="attachment">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="attachments">
                        <MULTIPLE>
                            <SINGLE>
                                <KEY name="filename">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="mimetype">
                                    <VALUE>string</VALUE>
                                </KEY>
                                <KEY name="fileurl">
                                    <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>
                </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_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)

Admin User

```
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
attachment int   //Whether or not the entry has attachments
attachments  Optional //attachments
list of (
object {
filename string   //File name
mimetype string   //Mime type
fileurl string   //File download URL
}
)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
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [entry] =>
        Array
            (
            [id] => int
            [glossaryid] => int
            [userid] => int
            [userfullname] => string
            [userpictureurl] => string
            [concept] => string
            [definition] => string
            [definitionformat] => int
            [definitiontrust] => int
            [attachment] => int
            [attachments] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [filename] => string
                            [mimetype] => string
                            [fileurl] => string
                            )
                    )
            [timecreated] => int
            [timemodified] => int
            [teacherentry] => int
            [sourceglossaryid] => int
            [usedynalink] => int
            [casesensitive] => int
            [fullmatch] => int
            [approved] => int
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```xml
<?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="attachment">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="attachments">
                    <MULTIPLE>
                        <SINGLE>
                            <KEY name="filename">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="mimetype">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="fileurl">
                                <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>
```

```
            </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   //Glossary id
coursemodule int   //Course module id
course int   //Course id
name string   //Glossary name
intro string   //The Glossary intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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, s
uch as @ and #
showalphabet int   //If enabled, participants can browse the glossary by letters of the alpha
bet
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 ve
rsion of the glossary. The link is always available to teachers
usedynalink int   //If site-wide glossary auto-linking has been enabled by an administrator a
nd 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 differen
t 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 i
n 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
section int   //Section
visible int   //Visible
groupmode int   //Group mode
groupingid int   //Grouping ID
browsemodes list of (
string   //Modes of browsing allowed
)}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [glossaries] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [browsemodes] =>
                        Array
                            (
                            [0] => string
                            )
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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="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="browsemodes">
                    <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>
```

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 b
ehaviour
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 b
ehaviour
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   //IMSCP id
coursemodule int   //Course module id
course int   //Course id
name string   //Activity name
intro string  Optional //The IMSCP intro
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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
section int  Optional //Course section id
visible int  Optional //If visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [imscps] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [revision] => int
                    [keepold] => int
                    [structure] => string
                    [timemodified] => string
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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>
                    <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>
                </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 b
ehaviour
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

```
  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit 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
}
```

```
Array
    (
    [id] => int
    [name] => string
    [description] => string
    [urls] =>
        Array
            (
            [icon] => string
            [edit] => string
            [course] => 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
    )
```

```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="urls">
            <SINGLE>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="edit">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="course">
                    <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_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   //External tool id
coursemodule int   //Course module id
course int   //Course id
name string   //LTI name
intro string  Optional //The LTI intro
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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
section int  Optional //course section id
visible int  Optional //visible
groupmode int  Optional //group mode
groupingid int  Optional //group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [ltis] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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>
                    <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>
                </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 b
ehaviour
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>
```

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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 (
  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit 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
}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [urls] =>
                Array
                    (
                    [icon] => string
                    [edit] => string
                    [course] => 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
            )
    )
```

```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="urls">
                <SINGLE>
                    <KEY name="icon">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="edit">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="course">
                        <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_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
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit 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
}
)
```

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [name] => string
            [description] => string
            [urls] =>
                Array
                    (
                    [icon] => string
                    [edit] => string
                    [course] => 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
            )
    )
```

```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="urls">
                <SINGLE>
                    <KEY name="icon">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="edit">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="course">
                        <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_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_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

```
  //Tool
object {
id int   //Tool type id
name string   //Tool type name
description string   //Tool type description
urls object {
icon string   //Tool type icon URL
edit string   //Tool type edit URL
course string  Optional //Tool type edit 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
}
```

```
Array
    (
    [id] => int
    [name] => string
    [description] => string
    [urls] =>
        Array
            (
            [icon] => string
            [edit] => string
            [course] => 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
    )
```

```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="urls">
            <SINGLE>
                <KEY name="icon">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="edit">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="course">
                    <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 b
ehaviour
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_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 b
ehaviour
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_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 atte
mpt.
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 b
ehaviour
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 y
et.
timemodified int  Optional //Last modified time.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                        state changes.  NULL means never chec
k.
sumgrades double  Optional //Total marks for this attempt.
}
messages   //access messages, will only be returned for users with mod/quiz:preview capabilit
y,
                     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 (
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
html string   //the question rendered
flagged int   //whether the question is flagged or not
number int  Optional //question ordering number in the quiz
state string  Optional //the state where the question is in
status string  Optional //current formatted state of the question
mark string  Optional //the mark awarded
maxmark double  Optional //the maximum mark possible for this question attempt
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
            [timecheckstate] => int
            [sumgrades] => double
            )
    [messages] =>
        Array
            (
            [0] => string
            )
    [nextpage] => int
    [questions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [slot] => int
                    [type] => string
                    [page] => int
                    [html] => string
                    [flagged] => int
                    [number] => int
                    [state] => string
                    [status] => string
                    [mark] => string
                    [maxmark] => double
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <VALUE>double</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="html">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="flagged">
                        <VALUE>int</VALUE>
```

```
                    </KEY>
                    <KEY name="number">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mark">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxmark">
                        <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_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 y
et.
timemodified int  Optional //Last modified time.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                 state changes.  NULL means never chec
k.
sumgrades double  Optional //Total marks for this attempt.
}
additionaldata list of (
object {
id string   //id of the data
title string   //data title
content string   //data content
}
)questions list of (
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
html string   //the question rendered
flagged int   //whether the question is flagged or not
number int  Optional //question ordering number in the quiz
state string  Optional //the state where the question is in
status string  Optional //current formatted state of the question
mark string  Optional //the mark awarded
maxmark double  Optional //the maximum mark possible for this question attempt
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
            [timecheckstate] => int
            [sumgrades] => double
            )
    [additionaldata] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => string
                    [title] => string
                    [content] => string
                    )
            )
    [questions] =>
        Array
            (
            [0] =>
                Array
                    (
                    [slot] => int
                    [type] => string
                    [page] => int
                    [html] => string
                    [flagged] => int
                    [number] => int
                    [state] => string
                    [status] => string
                    [mark] => string
                    [maxmark] => double
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <VALUE>double</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="html">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="flagged">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="number">
                <VALUE>int</VALUE>
            </KEY>
            <KEY name="state">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="status">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="mark">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="maxmark">
                <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_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 (
object {
slot int   //slot number
type string   //question type, i.e: multichoice
page int   //page of the quiz this question appears on
html string   //the question rendered
flagged int   //whether the question is flagged or not
number int  Optional //question ordering number in the quiz
state string  Optional //the state where the question is in
status string  Optional //current formatted state of the question
mark string  Optional //the mark awarded
maxmark double  Optional //the maximum mark possible for this question attempt
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [questions] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [slot] => int
                        [type] => string
                        [page] => int
                        [html] => string
                        [flagged] => int
                        [number] => int
                        [state] => string
                        [status] => string
                        [mark] => string
                        [maxmark] => 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="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="html">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="flagged">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="number">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="state">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="status">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="mark">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="maxmark">
                        <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
<?xml version="1.0" encoding="UTF-8"?>
<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 b
ehaviour
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

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


Restricted to logged-in users
Yes

Callable from AJAX

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

XML-RPC (PHP structure)


```
Array
    (
    [feedbacktext] => string
    [feedbacktextformat] => 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="feedbacktext">
            <VALUE>string</VALUE>
        </KEY>
        <KEY name="feedbacktextformat">
            <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

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 b
ehaviour
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

```
object {
quizzes list of (
object {
id int   //Standard Moodle primary key.
course int   //Foreign key reference to the course this quiz is part of.
coursemodule int   //Course module id.
name string   //Quiz name.
intro string  Optional //Quiz introduction text.
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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', 'graceperio
d' or 'autoabandon'.
graceperiod int  Optional //The amount of time (in seconds) after the time limit
                                                                  runs out during which attempt
s 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 questi
on grades.
                                                                  (-1 means use dec
imalpoints.)
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_display_options
class. It is formed by ORing together
                                                                  the constants defined the
re.
reviewcorrectness int  Optional //Whether users are allowed to review their quiz
                                                                  attempts at various t
imes.
                                                                  A bit field, like rev
iewattempt.
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 t
imes. A bit field, like
                                                                  reviewattempt.
reviewoverallfeedback int  Optional //Whether users are allowed to review their quiz
                                                                  attempts at vario
us times. A bit field, like
                                                                  reviewattempt.
questionsperpage int  Optional //How often to insert a page break when editing
                                                                  the quiz, or when shu
ffling 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 required 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*
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*
section int **Optional** *//Course section id*
visible int **Optional** *//Module visibility*
groupmode int **Optional** *//Group mode*
groupingid int **Optional** *//Grouping 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*
}
) }

```
Array
    (
    [quizzes] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [course] => int
                    [coursemodule] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    [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
                    [autosaveperiod] => int
                    [hasfeedback] => int
                    [hasquestions] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<RESPONSE>
    <SINGLE>
        <KEY name="quizzes">
            <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="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="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="autosaveperiod">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasfeedback">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="hasquestions">
            <VALUE>int</VALUE>
        </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>
    </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_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 y
et.
timemodified int  Optional //Last modified time.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                 state changes.  NULL means never chec
k.
sumgrades double  Optional //Total marks for this attempt.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    [timecheckstate] => int
                    [sumgrades] => 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="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="timecheckstate">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="sumgrades">
                        <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_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).
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [hasgrade] => int
        [grade] => 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="warnings">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="item">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="itemid">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="warningcode">
                        <VALUE>string</VALUE>
                    </KEY>
                    <KEY name="message">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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, ove
rdue, 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 b
ehaviour
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_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 b
ehaviour
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_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 y
et.
timemodified int  Optional //Last modified time.
timecheckstate int  Optional //Next time quiz cron should check attempt for
                                                        state changes.  NULL means never chec
k.
sumgrades double  Optional //Total marks for this attempt.
}
warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

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

```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="timecheckstate">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="sumgrades">
                    <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>
```

REST

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

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 b
ehaviour
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 b
ehaviour
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 b
ehaviour
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 b
ehaviour
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_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 b
ehaviour
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_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 b
ehaviour
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_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   //SCORM id
coursemodule int   //Course module id
course int   //Course id
name string   //SCORM name
intro string   //The SCORM intro
introformat int   //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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 //Hides the "Start new attempt" checkbox
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
displayactivityname int  Optional //Display the activity name above the player?
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
autocommit int  Optional //Save track data automatically?
timemodified int  Optional //Time of last modification
section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [scorms] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [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
                    [displayactivityname] => int
                    [scormtype] => string
                    [reference] => string
                    [protectpackagedownloads] => int
                    [updatefreq] => int
                    [options] => string
                    [completionstatusrequired] => int
                    [completionscorerequired] => int
                    [autocommit] => int
                    [timemodified] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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="displayactivityname">
            <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="autocommit">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="timemodified">
            <VALUE>int</VALUE>
        </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>
    </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_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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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
                    )
            )
    )
```

```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_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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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_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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

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

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 b
ehaviour
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 b
ehaviour
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 b
ehaviour
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_simplecertificate_verify_code

Returns certificate owner username if code is valid

Arguments

code (Required)

Certificate Code

General structure

```
string   //Certificate Code
```

XML-RPC (PHP structure)

```
[code] => string
```

REST (POST parameters)

```
code= string
```

Response

certificate owner username

General structure

```
string   //certificate owner username
```

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
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 b
ehaviour
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

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   //Survey id
coursemodule int   //Course module id
course int   //Course id
name string   //Survey name
intro string  Optional //The Survey intro
introformat int  Optional //intro format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 = MARKDOWN)
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
section int  Optional //Course section id
visible int  Optional //Visible
groupmode int  Optional //Group mode
groupingid int  Optional //Group 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [surveys] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [template] => int
                    [days] => int
                    [questions] => string
                    [surveydone] => int
                    [timecreated] => int
                    [timemodified] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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>
                    <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>
                </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 b
ehaviour
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 b
ehaviour
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_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 b
ehaviour
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 b
ehaviour
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 = MA
RKDOWN)
caneditpage int   //True if user can edit 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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [page] =>
        Array
            (
            [id] => int
            [wikiid] => int
            [subwikiid] => int
            [groupid] => int
            [userid] => int
            [title] => string
            [cachedcontent] => string
            [contentformat] => int
            [caneditpage] => 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>
            </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

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
```

Response

```
General structure

object {
pagesection object {
content string   //The contents of the page-section to be edited.
contentformat string   //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 b
ehaviour
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 collabor
ative wikis.
```

XML-RPC (PHP structure)

```
[userid] => int
```

REST (POST parameters)

```
userid= int
```

Response

General structure

```
object {
files list of (
  //Files
object {
filename string   //File name.
filepath string   //File path.
filesize int   //File size.
fileurl string   //Downloadable file url.
timemodified int   //Time modified.
mimetype string   //File mime 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 b
ehaviour
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
                        )
                )
        [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>
                </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 collabor
ative 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 = MA
RKDOWN)
contentsize int  Optional //Size of page contents in bytes (doesn't include size of attached
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 b
ehaviour
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
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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>
                </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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
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   //Wiki ID.
coursemodule int   //Course module ID.
course int   //Course ID.
name string   //Wiki name.
intro string  Optional //Wiki intro.
introformat int  Optional //Wiki intro format. format (1 = HTML, 0 = MOODLE, 2 = PLAIN or 4 =
 MARKDOWN)
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.
section int  Optional //Course section ID.
visible int  Optional //1 if visible, 0 otherwise.
groupmode int  Optional //Group mode.
groupingid int  Optional //Group ID.
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 b
ehaviour
message string   //untranslated english message to explain the warning
}
)}
```

```
Array
    (
    [wikis] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [coursemodule] => int
                    [course] => int
                    [name] => string
                    [intro] => string
                    [introformat] => int
                    [timecreated] => int
                    [timemodified] => int
                    [firstpagetitle] => string
                    [wikimode] => string
                    [defaultformat] => string
                    [forceformat] => int
                    [editbegin] => int
                    [editend] => int
                    [section] => int
                    [visible] => int
                    [groupmode] => int
                    [groupingid] => int
                    [cancreatepages] => int
                    )
            )
    [warnings] =>
        Array
            (
            [0] =>
                Array
                    (
                    [item] => string
                    [itemid] => int
                    [warningcode] => string
                    [message] => string
                    )
            )
    )
```

```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="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="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="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 b
ehaviour
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 b
ehaviour
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 b
ehaviour
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

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
```

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
viewurl string   //viewurl
}
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 list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
}
)pushratingstouserplans int   //True if rating is push to user plans
}
```

```
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
            [viewurl] => 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

                                            [viewurl] => 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

                                )
                        )
                )
            )
        [pushratingstouserplans] => int
        )
```

```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="viewurl">
                    <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="viewurl">
                        <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>
                </SINGLE>
            </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

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 o
r 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
        )
```

```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 o
r 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
        )
```

```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

```
object {
linkedcourses list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
```

```
Array
    (
    [linkedcourses] =>
        Array
            (
            [0] =>
                Array
                    (
                    [id] => int
                    [fullname] => string
                    [shortname] => string
                    [idnumber] => string
                    [viewurl] => 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
                    )
        )
```

```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="viewurl">
                        <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>
            </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_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
```

Response

```
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 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 o
r 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 o
r 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   //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 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
}
)manageurl string   //Url to the manage competencies page.
}
```

```
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
                        )
                    )
                )
            [manageurl] => string
            )
```

```xml
<?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>
            </SINGLE>
        </KEY>
    </SINGLE>
    </MULTIPLE>
</KEY>
<KEY name="manageurl">
    <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

```
object {
plan object {
name string   //name
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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 o
r 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 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
}
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
}
```

```
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
                    [collapsediconurl] => 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
                                )
                            [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
        )
```

```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>
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    <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">
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        </KEY>
        <KEY name="courseid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="contextid">
            <VALUE>int</VALUE>
        </KEY>
        <KEY name="cid">
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        </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="collapsediconurl">
            <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">
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                </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>
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                </KEY>
                <KEY name="email">
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                </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>
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</KEY>
<KEY name="pluginbaseurl">
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</KEY>
<KEY name="competencies">
    <MULTIPLE>
        <SINGLE>
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                <SINGLE>
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                        <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>
```

```
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                    </KEY>
                    <KEY name="scaleconfiguration">
                        <VALUE>string</VALUE>
                    </KEY>
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                        <VALUE>int</VALUE>
                    </KEY>
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                    <KEY name="timecreated">
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                    </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>
                </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">
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    </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

```
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 o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
```

```
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
                            [collapsediconurl] => 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
    )
```

```xml
<?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="collapsediconurl">
            <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 o
r 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
}
```

```
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
    )
```

```xml
<?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

```
object {
template object {
shortname string   //shortname
description string   //description
descriptionformat int  Default to "1" //description format (1 = HTML, 0 = MOODLE, 2 = PLAIN o
r 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 list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
)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   //proficientusercompetencyplanpercen
tageformatted
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 o
r 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
}
}
```

```
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

                                    [viewurl] => 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
                                )
                            )
                        )
                [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
                        )
                )
```

```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="viewurl">
                    <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>
                    </SINGLE>
                </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

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 o
r 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
}
```

```
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
    )
```

```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

```
object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
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 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
collapsediconurl string   //collapsediconurl
displaytotalcount int   //displaytotalcount
displaycancel int   //displaycancel
fullwidth int   //fullwidth
linktext string   //linktext
notoggle int   //notoggle
template string   //template
canpostorhascomments int   //canpostorhascomments
}
}
```

```
Array
    (
    [showrelatedcompetencies] => int
    [cangrade] => int
    [competency] =>
        Array
            (
            [linkedcourses] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [fullname] => string
                            [shortname] => string
                            [idnumber] => string
                            [viewurl] => 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
```

```
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                [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
                    )
                )
        [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
```

```
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                [timecreated] => int
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                [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
                        (
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                        [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
                (
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                [proficiency] => int
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                [gradename] => string
                [proficiencyname] => string
                )
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                Array
                (
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                [courseid] => int
                [competencyid] => int
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                [grade] => int
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                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [gradename] => string
                [proficiencyname] => string
                )
            [evidence] =>
                Array
                (
                [0] =>
                    Array
                        (
                        [usercompetencyid] => int
                        [contextid] => int
                        [action] => int
                        [actionuserid] => int
                        [descidentifier] => string
```

```
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                [desca] => string
                [url] => string
                [grade] => int
                [note] => string
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                [timecreated] => int
                [timemodified] => int
                [usermodified] => int
                [actionuser] =>
                    Array
                        (
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                        [phone2] => string
                        [department] => string
                        [institution] => string
                        [fullname] => string
                        [identity] => string
                        [profileurl] => string
                        [profileimageurl] => string
                        [profileimageurlsmall] => string

                        )
                [description] => string
                [gradename] => string
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                [candelete] => int
                )
            )
        [commentarea] =>
            Array
                (
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                [commentarea] => string
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                [contextid] => int
                [cid] => string
                [autostart] => int
                [canpost] => int
                [canview] => int
                [count] => int
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                [displaytotalcount] => int
                [displaycancel] => int
                [fullwidth] => int
                [linktext] => string
                [notoggle] => int
                [template] => string
                [canpostorhascomments] => int
                )
        )
```

```xml
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        </KEY>
        <KEY name="cangrade">
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        </KEY>
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            <SINGLE>
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                    <MULTIPLE>
                        <SINGLE>
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                            </KEY>
                            <KEY name="fullname">
                                <VALUE>string</VALUE>
                            </KEY>
                            <KEY name="shortname">
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                            </KEY>
                            <KEY name="idnumber">
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                            </KEY>
                            <KEY name="competencyframeworkid">
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                            </KEY>
```

```
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```

```
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                            </KEY>
```

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        </KEY>
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```

```
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                </KEY>
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                </KEY>
                <KEY name="canrequestreview">
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                </KEY>
                <KEY name="canreview">
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                </KEY>
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```

```
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                </KEY>
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                </KEY>
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                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="profileimageurl">
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                </KEY>
                <KEY name="profileimageurlsmall">
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        </KEY>
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        </KEY>
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</KEY>
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        <KEY name="usermodified">
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        </KEY>
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        <KEY name="proficiencyname">
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```

```
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                    </KEY>
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                    </KEY>
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```

```
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            </KEY>
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                    </KEY>
                    <KEY name="profileimageurlsmall">
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            </KEY>
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            </KEY>
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        </KEY>
        <KEY name="contextid">
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```

```
                <KEY name="cid">
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                </KEY>
                <KEY name="autostart">
                    <VALUE>int</VALUE>
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                <KEY name="notoggle">
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                </KEY>
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                </KEY>
                <KEY name="canpostorhascomments">
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                </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_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

```
object {
usercompetencysummary object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
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 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
collapsediconurl string   //collapsediconurl
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
viewurl string   //viewurl
}
coursemodules list of (
object {
id int   //id
name string   //name
url string   //url
iconurl string   //iconurl
}
)}
```

```
Array
    (
    [usercompetencysummary] =>
        Array
            (
            [showrelatedcompetencies] => int
            [cangrade] => int
            [competency] =>
                Array
                    (
                    [linkedcourses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string

                                    [shortname] => string

                                    [idnumber] => string

                                    [viewurl] => 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
                                )
                        )
                [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
                    [collapsediconurl] => 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
                    [viewurl] => string
                    )
            [coursemodules] =>
                Array
                    (
                    [0] =>
                        Array
                            (
                            [id] => int
                            [name] => string
                            [url] => string
                            [iconurl] => string
                            )
                    )
            )
```

```xml
<?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="viewurl">
                                        <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">
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            </KEY>
        </SINGLE>
    </MULTIPLE>
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<KEY name="competency">
    <SINGLE>
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        </KEY>
        <KEY name="idnumber">
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        </KEY>
        <KEY name="description">
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        <KEY name="sortorder">
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        <KEY name="ruleoutcome">
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        <KEY name="scaleid">
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        <KEY name="scaleconfiguration">
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        </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">
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                <KEY name="scaleconfiguration">
                    <VALUE>string</VALUE>
                </KEY>
                <KEY name="contextid">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="taxonomies">
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                </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>
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                </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>
                </SINGLE>
            </KEY>
        </SINGLE>
    </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="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>
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                    <KEY name="isstartreviewallowed">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isstopreviewallowed">
                        <VALUE>int</VALUE>
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                    <KEY name="isstatusidle">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isstatusinreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="isstatuswaitingforreview">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="proficiencyname">
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                    </KEY>
                    <KEY name="reviewer">
                        <SINGLE>
                            <KEY name="id">
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                            </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">
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    </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>
        <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="evidence">
            <MULTIPLE>
                <SINGLE>
                    <KEY name="usercompetencyid">
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                    </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">
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        </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>
  </MULTIPLE>
</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="collapsediconurl">
                <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>
</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="viewurl">
            <VALUE>string</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>
    </SINGLE>
</RESPONSE>
```

Error message

```
REST

<?xml version="1.0" encoding="UTF-8"?>
<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

```
object {
usercompetencysummary object {
showrelatedcompetencies int   //showrelatedcompetencies
cangrade int   //cangrade
competency object {
linkedcourses list of (
object {
id int   //id
fullname string   //fullname
shortname string   //shortname
idnumber string   //idnumber
viewurl string   //viewurl
}
)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 o
r 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 o
r 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 o
r 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 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
}
}
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 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
collapsediconurl string   //collapsediconurl
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 o
r 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
collapsediconurl string   //collapsediconurl
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 o
r 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
}
}
```

```
Array
    (
    [usercompetencysummary] =>
        Array
            (
            [showrelatedcompetencies] => int
            [cangrade] => int
            [competency] =>
                Array
                    (
                    [linkedcourses] =>
                        Array
                            (
                            [0] =>
                                Array
                                    (
                                    [id] => int
                                    [fullname] => string

                                    [shortname] => string

                                    [idnumber] => string

                                    [viewurl] => 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
                                )
                        )
                [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
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                <KEY name="canpost">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="canview">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="count">
                    <VALUE>int</VALUE>
                </KEY>
                <KEY name="collapsediconurl">
                    <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>
</SINGLE>
```

```
</RESPONSE>
```

Error message

REST

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

```
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 o
r 4 = MARKDOWN)
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
filecount int   //filecount
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
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
iconurl string   //iconurl
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
competencycount int   //competencycount
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 o
r 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
)}
```

```
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

                                    [timemodified] => int

                                    [timecreated] => int

                                    [filesize] => int

                                    [author] => string

                                    [license] => string

                                    [filenameshort] => string

                                    [filesizeformatted] => string

                                    [icon] => string

                                    [iconurl] => 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
                                                )
                                        )
```

```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="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="iconurl">
                    <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

```
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 o
r 4 = MARKDOWN)
url string   //url
id int   //id
timecreated int   //timecreated
timemodified int   //timemodified
usermodified int   //usermodified
canmanage int   //canmanage
filecount int   //filecount
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
timemodified int   //timemodified
timecreated int   //timecreated
filesize int   //filesize
author string   //author
license string   //license
filenameshort string   //filenameshort
filesizeformatted string   //filesizeformatted
icon string   //icon
iconurl string   //iconurl
timecreatedformatted string   //timecreatedformatted
timemodifiedformatted string   //timemodifiedformatted
url string   //url
}
)hasurlorfiles int   //hasurlorfiles
urlshort string   //urlshort
competencycount int   //competencycount
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 o
r 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
}
```

```
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
                            [timemodified] => int
                            [timecreated] => int
                            [filesize] => int
                            [author] => string
                            [license] => string
                            [filenameshort] => string
                            [filesizeformatted] => string
                            [icon] => string
                            [iconurl] => 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
        )
```

```xml
<?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="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="iconurl">
                    <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
viewurl string   //viewurl
}
)
```

XML-RPC (PHP structure)

```
Array
    (
    [0] =>
        Array
            (
            [id] => int
            [fullname] => string
            [shortname] => string
            [idnumber] => string
            [viewurl] => 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="shortname">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="idnumber">
                <VALUE>string</VALUE>
            </KEY>
            <KEY name="viewurl">
                <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.

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, parent
s, 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
name string   //name
idnumber string   //idnumber
visible int   //visible
contextname string   //contextname
}
)}
```

XML-RPC (PHP structure)

```
    Array
        (
        [cohorts] =>
            Array
                (
                [0] =>
                    Array
                        (
                        [id] => int
                        [name] => string
                        [idnumber] => string
                        [visible] => int
                        [contextname] => 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="visible">
                        <VALUE>int</VALUE>
                    </KEY>
                    <KEY name="contextname">
                        <VALUE>string</VALUE>
                    </KEY>
                </SINGLE>
            </MULTIPLE>
        </KEY>
    </SINGLE>
</RESPONSE>
```

Error message

REST

```
<?xml version="1.0" encoding="UTF-8"?>
<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_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
<?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
<?xml version="1.0" encoding="UTF-8"?>
<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_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.
}
)warnings  Optional //list of warnings
list of (
  //warning
object {
item string  Optional //item
itemid int  Optional //item id
warningcode string   //the warning code can be used by the client app to implement specific b
ehaviour
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
                    )
            )
    [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>
                </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

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
```

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