

Blossom_Sync_Api_V2 WebService interface description

 mer-group.blossom-kc.com/WebServices/sync_2

Version 2.0

Endpoint URI: https://mer-group.blossom-kc.com/WebServices/sync_2

Selected authentication type: *basic*

Create, update and delete system objects and connect them together.

external ids

Objects are identified by the `external_id` field (usually the id from the foreign system).

Sync data - CSV methods

When executing a sync run, the order of the requests should be:

1. DeleteUsersCSV
2. ImportUsersCSV
3. ImportGroupsCSV
4. ImportGroupsMembersCSV

Each call is limited to a max of 4 calls per 24 hours.

The calls expect a CSV/XLSX file in a POST variable named 'sheet_file' or in the request body.

The CSV should be UTF-8 encoded and follow RFC-4180 or TSV.

Code examples

[samples.zip](#)

Postman examples:

<https://www.postman.com/solar-spaceship-524590/blossom-platform-api>

JWT authentication

JWT is disabled. To enable go to server configuration and change the authentication type.

You may find details about this kind of authentication in this [guide](#).

The following algorithms are supported: ES256, HS256, HS384, HS512, RS256, RS384, RS512.

The payload should look like this: {"iss": "<user_name>", "exp": <unixime timestamp of a date in the near future>}

The key is the password configured in the system.

OAuth 2.0 authentication

OAuth 2.0 is disabled. To enable go to server configuration and check the OAuth2 checkbox.

To get the auth token use the selected authentication method to: https://mer-group.blossom-kc.com/WebServices/sync_2?auth_token

The payload should look like this: {"expires_in": <unixime timestamp of a date in the near future>, "auth_token": "<the auth token string>"}

Refresh tokens are not supported.

Requests are limited to 30 per second. Make sure not to exceed this limit.

Methods [Expand all](#) [Collapse all](#)

[UpdateUser](#)

Create or update user.

Abstract

string UpdateUser(string domain, object/querystring details)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
details	Query string (when using GET) or JSON Object (when using POST) that contains keys and values for the user: external_id, username, firstname, lastname, password, id, employee_id, email, gender, company, department, employment_date, job_title, about, address, city, zip, birthday, bphone, hphone, mphone, user_nt, disabled, חטיבה, קבלן שטח, קבלן משרדי Identify custom fields by name, id (field_12) or key (if set). Date format: yyyy-mm-dd Checkbox format: 1 or 0 When using GET, make sure to url encode the values to prevent collision with reserved characters such as & and /.	object/querystring (required)

Response

string: JSON with success or failure details

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"details\":{
    \"external_id\":\"a123\", \"username\":\"billy\", \"password\":\"secret12\", \"firstn
ame\":\"Billy\", \"lastname\":\"Joel\", \"birthday\":\"1949-05-09\"}}\" -L
https://mer-group.blossom-kc.com/WebServices/sync_2/UpdateUser"
```

Request JSON example

```
{
  "domain":1, "details":{
    "external_id":"a123", "username":"billy", "password":"secret12", "firstname":"Billy",
    "lastname":"Joel", "birthday":"1949-05-09"}}}
```

ImportUsersCSV

Import multiple users using csv/excel

Description

- updating a deleted user using ImportUsers or UpdateUser will restore them.
- row level errors include an identifier field `username` to assist in rectifying the problem in data.
- max of 4 calls per 24 hours.

- [Download template](#)

Abstract

string ImportUsersCSV(string domain, object/querystring options)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
options	Available options: keep_old_values: Empty cells in the import file won't erase the current profile field values [1/0] temp_password: set temporary password for new users [1/0] new_user_notification: send users details by mail (requires valid email) [1/0] password_not_required: do not require password for new users (SSO only) [1/0] clean_ou: remove empty org' units [1/0] only relevant with manager_ou=1 manager_ou: [1/0] Create org' unit tree based on management relation. When active, the following columns should be added to the file:"manager_ou","ou_name" The organizational tree will be created automatically using these columns.	object/querystring

Response

string: JSON with success or failure details

CURL examples

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/ImportUsersCSV/1/password_not_required=1" -F sheet_file=@filename.csvcurl -X POST -u "user:password" -L "https://mer-
```

group.blossom-

kc.com/WebServices/sync_2/ImportUsersCSV/1/password_not_required=1&manager_ou=1&clean_ou=1" -F sheet_file=@filename.csv

Response examples

note: `rows_log` has been removed. please use `results` instead.

all ok

```
{ "res": "success", "results": [] }
```

critical error example

```
{ "res": "error", "error_msg": "Cannot continue, the following fields are missing: something, mandatory" }
```

the first line (row 2) has errors: `user_timezone` column has invalid value; also, the user name is already taken by another user (may indicate a problem with external id logic)
the third line (row 4) has warnings: `ou` column has value that does not match any org' unit.

```
{ "res": "success", "results": [ { "row": 2, "res": "error", "status_error": "invalid data",  
"username": "cumberbatch", "issues": [ { "type": "error", "col_name": "user_name",  
"message": "This login name is already being used by: Benedict Cumberbatch #1234  
domain: 1" }, { "type": "error", "col_name": "user_timezone", "message": "Invalid value" } ] },  
{ "row": 4, "res": "success", "issues": [ { "type": "warning", "col_name": "ou", "message":  
"Org' unit is missing" } ] } ] }
```

DeleteUser

Delete user

Abstract

string DeleteUser(string domain, anyType user_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteUser/1/external_id=a123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{ \"domain\":1, \"user_identifier\":{ \"external_id\": \"a123\" } }" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteUser"
```

Request JSON example

```
{ "domain":1, "user_identifier":{ "external_id": "a123" } }
```

DeleteUsersCSV

delete multiple users using csv/excel

Description

- deleting a user does not remove them from the database ("soft" delete).
- updating a deleted user using ImportUsers or UpdateUser will restore them.
- deleting an already deleted or non-existing user does not trigger a warning.
- max of 4 calls per 24 hours.

- [Download template](#)

Abstract

string DeleteUsersCSV(string domain)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteUsersCSV/1" -F sheet_file=@filename.csv
```

Response examples

note: **rows_log** has been removed. please use **results** instead.

all ok

```
{ "res": "success", "results": [] }
```

critical error example

```
{ "res": "error", "error_msg": "Cannot continue, the following fields are missing: something, mandatory" }
```

AvatarSet

Update user avatar (REST ONLY)

Description

Update or remove user avatar.

POST request.

The file should be added as 'avatarfile' (jpg/png) or in the request body (jpg).

Abstract

string AvatarSet(string domain, anyType user_identifier, boolean remove_avatar)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)
remove_avatar	1 to remove current avatar, otherwise 0. A file should not be attached upon removal.	boolean

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-  
kc.com/WebServices/sync_2/AvatarSet/1/external_id=a123/0" -F  
avatarfile=@filename.jpg
```

UpdateGroup

Create or update group object (Group/Course/Role/Ou/Template/Qualification/Workplan).

Abstract

string UpdateGroup(string domain, object/querystring details)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
details	Query string that contains keys and values for the group object: <code>name, description, external_id, open_date, close_date,</code>	object/querystring (required)

Name	Description	Type
------	-------------	------

passing_grade, gathering_area, location, audience,
 estimated_budget, publish_grades_criteria,
 publish_grades_on_add, hide_score, hide_from_members,
 hide_from_user_profile, parent_external_id,
 template_external_id, classification

When using GET, make sure to **url encode** the values to prevent collision with reserved characters such as & and /.

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/UpdateGroup/1/external_id=a456&name=group_name&type=course&description=The%20course%20description&open_date=2021-01-20

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"details\":{
    \"external_id\":\"a456\", \"name\":\"group_name\", \"type\":\"course\", \"description\": \"The course description\", \"open_date\":\"2021-01-20\"}}\" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/UpdateGroup"
```

Request JSON example

```
{
  "domain":1,
  "details":{
    "external_id":"a456",
    "name":"group_name",
    "type":"course",
    "description":"The course description",
    "open_date":"2021-01-20"
  }
}
```

ImportGroupsCSV

Import multiple workspaces using csv/excel

Description

- row level errors include an identifier field `group_external_id` (when set) to assist in rectifying the problem in data.
- max of 4 calls per 24 hours.

- [Download template](#)

Abstract

string ImportGroupsCSV(string domain, object/querystring options)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
options	Available options: keep_old_values: Empty cells in the import file won't erase the current profile field values [1/0] manager_type: Manager permissions name OR 'all'/'none' override_existing_permissions: Override existing managers permissions [1/0] remove_existing_managers: Remove existing managers [1/0] set_primary_manager: Set as primary manager [1/0]	object/querystring

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/ImportGroupsCSV/1/keep_old_values=1&manager_type=all&override_existing_permissions=0&remove_existing_managers=0&set_primary_manager=0" -F sheet_file=@filename.csv
```

Response examples

note: **rows_log** has been removed. please use **results** instead.

all ok

```
{ "res": "success", "results": [] }
```

critical error: in this example, a workspace appears more than once

```
{ "res": "error", "error_msg": "Cannot continue, the following external id appear more than once: 12345678" }
```

critical error: in this example, a parent workspace external id was not found

```
{ "res": "error", "error_msg": "Cannot continue, the following parents are missing: 12345678" }
```

row level warning: in this example, the group in row 2 (a456) has a manager user that could not be found

```
{ "res": "success", "results": [ { "row": 2, "res": "success", "group_external_id": "a456", "issues": [ { "type": "warning", "col_name": "manager_external_id", "message": "Manager is missing" } ] } ] }
```

row level error: in this example, the group name is already taken by an existing group

```
{ "res": "success", "results": [ { "row": 2, "res": "error", "issues": [ { "type": "error", "col_name": "group_name", "message": "Name already exists: #42074 external_id=aaa11" } ], "group_external_id": "aaa114312", "status_error": "invalid data" } ] }
```


DeleteGroup

Delete a group object

Abstract

string DeleteGroup(string domain, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteGroup/1/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{\n\"domain\":1,\n\"group_identifier\":{\n\"group_id\":\n\"123\n\"}\n}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteGroup"
```

Request JSON example

```
{"domain":1,"group_identifier":{"group_id":"123"}}
```

AttachSubGroup

Attach sub group to a parent group (Group/Course/Ou - both group should be of the same type)

Abstract

string AttachSubGroup(string domain, anyType sub_group_identifier, anyType parent_group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
sub_group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Name	Description	Type
parent_group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/AttachSubGroup/1/group_id=123/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"sub_group_identifier\":{
    \"group_id\": \"123\"},\"parent_group_identifier\":{\"group_id\": \"123\"}}\" -L
https://mer-group.blossom-kc.com/WebServices/sync_2/AttachSubGroup"
```

Request JSON example

```
{
  "domain":1,"sub_group_identifier":{"group_id":"123"},"parent_group_identifier":{
    "group_id":"123"}}
}
```

DetachSubGroup

Detach a sub group from its only parent (Group/Course/Ou)

Abstract

string DetachSubGroup(string domain, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DetachSubGroup/1/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"group_identifier\":{ \"group_id\": \"123\" } }" -L "https://mer-
group.blossom-kc.com/WebServices/sync_2/DetachSubGroup"
```

Request JSON example

```
{ "domain":1, "group_identifier":{ "group_id": "123" } }
```

AttachInstance

Attach Group/Course to a Template

Abstract

string AttachInstance(string domain, anyType group_identifier, anyType
template_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)
template_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

[https://mer-group.blossom-
kc.com/WebServices/sync_2/AttachInstance/1/group_id=123/group_id=123](https://mer-group.blossom-kc.com/WebServices/sync_2/AttachInstance/1/group_id=123/group_id=123)

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"group_identifier\":{ \"group_id\": \"123\" }, \"template_identifier\":
  { \"group_id\": \"123\" } }" -L "https://mer-group.blossom-
kc.com/WebServices/sync_2/AttachInstance"
```

Request JSON example

```
{ "domain":1, "group_identifier":{ "group_id": "123" }, "template_identifier":
{ "group_id": "123" } }
```

[DetachInstance](#)

Detach Group/Course from its only Template

Abstract

string DetachInstance(string domain, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DetachInstance/1/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{\n\"domain\":1,\n\"group_identifier\":{\n\"group_id\":\n\"123\n\"}\n}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DetachInstance"
```

Request JSON example

```
{"domain":1,"group_identifier":{"group_id":"123"}}
```

[AttachUserToGroup](#)

Attach user to a group object (Group/Course/Ou/Qualification/Workplan)

Abstract

string AttachUserToGroup(string domain, anyType user_identifier, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)

Name	Description	Type
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/AttachUserToGroup/1/external_id=a123/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"group_identifier\":
  {\"group_id\":\"123\"}}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/AttachUserToGroup"
```

Request JSON example

```
{"domain":1,"user_identifier":{"external_id":"a123"},"group_identifier":
{"group_id":"123"}}
```

ImportGroupsMembersCSV

attach multiple users to workspaces using csv/excel

Description

- row level errors include identifier fields based on the submitted fields, to assist in rectifying the problem in data.
- max of 4 calls per 24 hours.

- [Download template](#)

Abstract

string ImportGroupsMembersCSV(string domain, string options)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
options	Available options: clean_ou: remove empty org' units [1/0]	string

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-  
kc.com/WebServices/sync_2/ImportGroupsMembersCSV/1/clean_ou=1" -F  
sheet_file=@filename.csv
```

Response examples

note: `rows_log` has been removed. please use `results` instead.

all ok

```
{ "res": "success", "results": [] }
```

critical error example

```
{ "res": "error", "error_msg": "Cannot continue, the following fields are missing: something,  
mandatory" }
```

the first line (row 2) has errors: both user and workspace were not found

```
{ "res": "success", "results": [ { "row": 2, "res": "error", "user_external_id": "a123",  
"workspace_external_id": "a456", "issues": [ { "type": "error", "col_name": "user_external_id",  
"message": "no relevant match found for this value" }, { "type": "error", "col_name":  
"workspace_external_id", "message": "no relevant match found for this value" } ] } ] }
```

DetachUserFromGroup

Detach user from a group object (Group/Course/Ou/Qualification/Workplan)

Abstract

string DetachUserFromGroup(string domain, anyType user_identifier, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

[https://mer-group.blossom-
kc.com/WebServices/sync_2/DetachUserFromGroup/1/external_id=a123/group_id=123](https://mer-group.blossom-kc.com/WebServices/sync_2/DetachUserFromGroup/1/external_id=a123/group_id=123)

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"group_identifier\":
  {\"group_id\":\"123\"}}" -L "https://mer-group.blossom-
kc.com/WebServices/sync_2/DetachUserFromGroup"
```

Request JSON example

```
{"domain":1,"user_identifier":{"external_id":"a123"},"group_identifier":
{"group_id":"123"}}
```

[DetachUserFromOu](#)

Detach user from its only ou

Abstract

string DetachUserFromOu(string domain, anyType user_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)

Response

string: JSON with success or failure details

GET request example

[https://mer-group.blossom-
kc.com/WebServices/sync_2/DetachUserFromOu/1/external_id=a123](https://mer-group.blossom-kc.com/WebServices/sync_2/DetachUserFromOu/1/external_id=a123)

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"}}" -L "https://mer-
group.blossom-kc.com/WebServices/sync_2/DetachUserFromOu"
```

Request JSON example

```
{"domain":1,"user_identifier":{"external_id":"a123"}}
```

[RunAutoEnrollmentRules](#)

Run auto enrollment rules

Description

Execute auto enrollment rules for all workspaces and users.

It is recommended to call this method when done updating users and workspaces.

Please only call this method outside of working hours, as it may take a while to process.

Max of 4 calls per 24 hours.

Abstract

string RunAutoEnrollmentRules()

Response

string: JSON with success or failure details

POST request example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/RunAutoEnrollmentRules"
```

Response example

```
{ "res": "success" }
```

[RunScheduledImports](#)

Run any existing scheduled imports from SFTP or local folder

Description

Execute scheduled imports. You cannot run this on midnight because the scheduled imports will run on midnight regardless.

Max of 4 calls per 24 hours.

Abstract

string RunScheduledImports()

Response

string: JSON with success or failure details

POST request example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/RunScheduledImports"
```

Response example

```
{ "res": "success" }
```

[RemoveEmptyOrgUnits](#)

remove empty org' units

Description

Delete org' units with no members, managers, or relevant hierarchy. Same as clean_ou=1 in ImportGroupsMembersCSV and ImportUsersCSV

Abstract

string RemoveEmptyOrgUnits(string domain)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/RemoveEmptyOrgUnits/1

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{ \"domain\":1}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/RemoveEmptyOrgUnits"
```

Request JSON example

```
{"domain":1}
```

Response example

```
{ "res": "success" }
```

AttachManager

Attach manager to a group object
(Group/Course/Role/Ou/Template/Qualification/Workplan)

Abstract

string AttachManager(string domain, anyType user_identifier, anyType group_identifier, string manager_type, int set_primary)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

Name	Description	Type
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)
manager_type	Manager permissions name OR 'all'/'none'	string
set_primary	1: set manager as primary 2: remove existing managers and add this manager as primary otherwise 0	int

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/AttachManager/1/external_id=a123/group_id=123/all/0

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"group_identifier\":
  {\"group_id\":\"123\"},\"manager_type\":\"all\", \"set_primary\":\"0\"}" -L
"https://mer-group.blossom-kc.com/WebServices/sync_2/AttachManager"
```

Request JSON example

```
{
  "domain":1,
  "user_identifier":{
    "external_id":"a123"
  },
  "group_identifier":{
    "group_id":"123"
  },
  "manager_type":"all",
  "set_primary":"0"
}
```

DetachManager

Detach manager from a group object
(Group/Course/Role/Ou/Template/Qualification/Workplan)

Abstract

string DetachManager(string domain, anyType user_identifier, anyType group_identifier)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)

Name	Description	Type
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DetachManager/1/external_id=a123/group_id=123

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"group_identifier\":
  {\"group_id\":\"123\"}}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DetachManager"
```

Request JSON example

```
{
  "domain":1,
  "user_identifier":{
    "external_id":"a123"
  },
  "group_identifier":{
    "group_id":"123"
  }
}
```

UserAuthorities

Attach authorities to user (Human resources coordinator, Professional manager, Personal coach,)

Abstract

string UserAuthorities(string domain, anyType user_identifier, object/querystring authorities)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)

Name	Description	Type
authorities	<p>Query string/JSON that contains the authority user's external ID or identifier pair.</p> <p>to clear, pass an empty value.</p> <p>authorities that are not included will not change.</p> <p>available fields: user_hr_manager_id, user_professional_manager_id, user_coach_id, user_auth_supervisor_id</p>	object/querystring (required)

Response

string: JSON with success or failure details

GET request examples

[https://mer-group.blossom-](https://mer-group.blossom-kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=a007&user_professional_manager_id=a007&user_coach_id=a007&user_auth_supervisor_id=a007)

[kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=a007&user_professional_manager_id=a007&user_coach_id=a007&user_auth_supervisor_id=a007](https://mer-group.blossom-kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=a007&user_professional_manager_id=a007&user_coach_id=a007&user_auth_supervisor_id=a007)

[https://mer-group.blossom-](https://mer-group.blossom-kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=user_id=1234&user_professional_manager_id=user_id=1234&user_coach_id=user_id=1234&user_auth_supervisor_id=user_id=1234)

[kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=user_id=1234&user_professional_manager_id=user_id=1234&user_coach_id=user_id=1234&user_auth_supervisor_id=user_id=1234](https://mer-group.blossom-kc.com/WebServices/sync_2/UserAuthorities/1/external_id=a123/user_hr_manager_id=user_id=1234&user_professional_manager_id=user_id=1234&user_coach_id=user_id=1234&user_auth_supervisor_id=user_id=1234)

POST request examples

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"authorities\":
  {\"user_hr_manager_id\":\"a007\",\"user_professional_manager_id\":\"a007\",
  \"user_coach_id\":\"a007\",\"user_auth_supervisor_id\":\"a007\"}}\" -L \"https://mer-
group.blossom-kc.com/WebServices/sync_2/UserAuthorities\"
curl -X POST -u \"user:password\" -H \"Content-Type: application/json\" -d \"
{
  \"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"authorities\":
  {\"user_hr_manager_id\":\"user_id=1234\", \"user_professional_manager_id\":\"user_id
=1234\", \"user_coach_id\":\"user_id=1234\", \"user_auth_supervisor_id\":\"user_id=12
34\"}}\" -L \"https://mer-group.blossom-kc.com/WebServices/sync_2/UserAuthorities\"
```

Request JSON examples

```
{\"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"authorities\":
{\"user_hr_manager_id\":\"a007\", \"user_professional_manager_id\":\"a007\", \"user_coach_id\":
\"a007\", \"user_auth_supervisor_id\":\"a007\"}}
{\"domain\":1,\"user_identifier\":{\"external_id\":\"a123\"},\"authorities\":
{\"user_hr_manager_id\":\"user_id=1234\", \"user_professional_manager_id\":\"user_id=1234\",
\"user_coach_id\":\"user_id=1234\", \"user_auth_supervisor_id\":\"user_id=1234\"}}
```

PowerManager

Set/unset user as power manager

Abstract

string PowerManager(string domain, anyType user_identifier, string type)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)
type	PowerManager or User	string

Response

string: JSON with success or failure details

GET request examples

https://mer-group.blossom-kc.com/WebServices/sync_2/PowerManager/1/external_id=a123/PowerManager
https://mer-group.blossom-kc.com/WebServices/sync_2/PowerManager/1/external_id=a123/User

POST request examples

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"user_identifier\":{
    \"external_id\":\"a123\"}, \"type\":\"PowerManager\"}
  }" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/PowerManager"
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"user_identifier\":{\"external_id\":\"a123\"}, \"type\":\"User\"}
  }" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/PowerManager"
```

Request JSON examples

```
{"domain":1,"user_identifier":{"external_id":"a123"},"type":"PowerManager"}
{"domain":1,"user_identifier":{"external_id":"a123"},"type":"User"}
```

UploadDiploma

Upload diploma file (REST ONLY)

Description

Upload or remove diploma file for a user in a group object.
POST request.
The file should be added as 'diploma_file'.

Abstract

string UploadDiploma(string domain, anyType user_identifier, anyType group_identifier, boolean remove_diploma)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
user_identifier	User external ID or identifier pair: user_id=123,user_name=abc,identity_num=123,external_id=a123	anyType (required)
group_identifier	Group external ID or identifier pair: group_id=123,group_external_id=a456	anyType (required)
remove_diploma	1 to remove current diploma, otherwise 0. A file should not be attached upon removal.	boolean

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/UploadDiploma/1/external_id=a123/group_id=123/0

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"user_identifier\":{\"external_id\":\"a123\"}, \"group_identifier\":
  {\"group_id\":\"123\"}, \"remove_diploma\":\"0\"}" -L "https://mer-group.blossom-
  kc.com/WebServices/sync_2/UploadDiploma"
```

Request JSON example

```
{
  "domain":1,
  "user_identifier":{
    "external_id":"a123"
  },
  "group_identifier":{
    "group_id":"123"
  },
  "remove_diploma":"0"
}
```

UpdateSupplier

Create or update supplier by external ID.

Abstract

string UpdateSupplier(string domain, string type, object/querystring details)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)
type	Insert <i>RegExt</i> for external event institutions	string
details	Query string that contains keys and values: <i>name, address, email, phone, fax, contact, business_number, supplier_number, external_id</i> When using GET, make sure to url encode the values to prevent collision with reserved characters such as & and /.	object/querysting (required)

Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/UpdateSupplier/1/RegExt/external_id=abcd&name=Elton%20John&address=Old%20Windsor&phone=123-456&email=elton@example.com&contact=John%20Reid&business_number=12345

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{
  \"domain\":1, \"type\": \"RegExt\", \"details\": {
    \"external_id\": \"abcd\", \"name\": \"Elton John\", \"address\": \"Old
Windsor\", \"phone\": \"123-456\", \"email\": \"elton@example.com\", \"contact\": \"John
Reid\", \"business_number\": \"12345\" } }" -L "https://mer-group.blossom-
kc.com/WebServices/sync_2/UpdateSupplier"
```

Request JSON example

```
{ "domain":1, "type": "RegExt", "details": { "external_id": "abcd", "name": "Elton
John", "address": "Old Windsor", "phone": "123-
456", "email": "elton@example.com", "contact": "John Reid", "business_number": "12345" } }
```

DeleteSupplier

Delete supplier by external_id

Abstract

string DeleteSupplier(string domain, string ext_id)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

ext_id	External ID	string
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Response

string: JSON with success or failure details

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteSupplier/1/abcd

POST request example

```
curl -X POST -u "user:password" -H "Content-Type: application/json" -d "{\n\"domain\":1,\n\"ext_id\":\n\"abcd\"}" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/DeleteSupplier"
```

Request JSON example

```
{"domain":1,"ext_id":"abcd"}
```

[ImportAssignmentPerformancesCSV](#)

Import assignment performances using csv/excel

Description

- [Download template](#)

Abstract

string ImportAssignmentPerformancesCSV(string domain)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/ImportAssignmentPerformancesCSV/1" -F sheet_file=@filename.csv
```


Response examples

all ok

```
{ "res": "success", "results": [] }
```

some errors for example

```
{ "res": "success", "results": [ { "row": 2, "res": "error", "issues": [ { "type": "error", "col_name": "date", "message": "Performance already exist on that day (grade: 90 completed: Yes)" } ], "user_name": "Michal_PM", "date": "20\01\2015" }, { "row": 3, "res": "error", "issues": [ { "type": "error", "col_name": "assignment_id", "message": "No relevant match found for this value" }, { "type": "error", "col_name": "user_name", "message": "No relevant match found for this value" } ] } ] }
```

fatal error example

```
{ "res": "error", "error_msg": "Cannot continue, the file must contain the column user_name or user_external_id." }
```

[ImportGroupPerformancesCSV](#)

Import performances for qualifications and courses using csv/excel

Description

- [Download template](#)

Abstract

string ImportGroupPerformancesCSV(string domain)

Parameters

Name	Description	Type
domain	Domain name or id	string (required)

Response

string: JSON with success or failure details

CURL example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/ImportGroupPerformancesCSV/1" -F sheet_file=@filename.csv
```

Response examples

all ok

```
{ "res": "success", "results": [] }
```

some errors for example

```
{ "res": "success", "results": [ { "row": 3, "res": "error", "issues": [ { "type": "error", "col_name": "user_name", "message": "No relevant match found for this value" } ] } ] }
```

fatal error example

```
{ "res": "error", "error_msg": "Cannot continue, the file must contain the column user_name or user_external_id." }
```

Test

Test method

Abstract

string Test()

Response

string: JSON with protocol and a random number

GET request example

https://mer-group.blossom-kc.com/WebServices/sync_2/Test

POST request example

```
curl -X POST -u "user:password" -L "https://mer-group.blossom-kc.com/WebServices/sync_2/Test"
```

Error handling

On error the status code is 50x or 40x and the response will include the following fields: "res": "error" and "error_msg".

Response example

```
{ "res": "error", "error_msg": "To err is human but to really foul things up you need a computer." }
```

Response example #2

The following error indicates that you should modify the request URL from <https://platform.blossom-kc.com/platform/xyz/...> to <https://platform.blossom-kc.com/xyz/...>

```
<script>location.pathname = location.pathname.replace('platform/', '')</script>
```