

GROUP API

CLOUDIWAY API - Documentation

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1 Summary

Welcome to the REST API for managing the migration of the groups.

The following table is the list of available APIs.

<u>Get all groups</u> <i>GET /groups/getall</i>	Get all groups in a project
<u>Get the migration tag of a group</u> <i>GET /groups/migrationtag</i>	Get the groups migration tag, the unique identifier for the group, you need it for all API requests.
<u>Get a group group</u> <i>Get /groups/{migrationtag}/get</i>	Get a single group defined by its migration tag.
<u>Start a migration</u> <i>POST /groups/start</i>	Start the migration process for a single group defined by its migration tag.
<u>Stop a migration</u> <i>POST /groups/ stop</i>	Stop the migration process for a single group defined by its migration tag.
<u>Get a group's status</u> <i>GET /groups/{migrationtag}/status</i>	Get the status of a group defined by its migration tag.
<u>Audit a group</u> <i>POST /startgroups/auditstart</i>	Audit a group defined by its migration tag.
<u>Assign a license to a group</u> <i>POST /groups/license</i>	Assign a group license to a group defined by its migration tag.
<u>Create a group</u> <i>POST /groups/create</i>	Create a group with parameters defined in the body of the request
<u>Delete a group</u> <i>POST /groups/delete</i>	Delete a group defined by its migration tag

<u>Update a group</u> <i>POST /groups/update</i>	Update a group with parameters defined in the body of the request
<u>Start a Get Group process</u> <i>POST /groups/startgetgroups</i>	Start the GetGroups of a connector defined by its name
<u>Get a batch</u> <i>GET /groups/getbatch</i>	Get the data of a batch defined by its name
<u>Add a group to a batch</u> <i>POST /groups/addtobatch</i>	Add a group to an already existing batch defined by its name
<u>Remove a group from a batch</u> <i>POST /groups/removefrombatch</i>	Remove a group from a batch defined by its name
<u>Start a batch</u> <i>POST /groups/startbatch</i>	Start a batch defined by its name
<u>Stop a batch</u> <i>POST /groups/stopbatch</i>	Stop a batch defined by its name
<u>Create a batch</u> <i>POST /groups/createbatch</i>	Create a batch with a name
<u>Delete a batch</u> <i>POST /groups/deletebatch</i>	Delete a batch defined by its name
<u>Get users in a batch</u> <i>GET /groups/getusersinbatch</i>	Get the list of groups assigned to a batch defined by its name
<u>Get all source connectors</u> <i>GET /groups/getallsourceconnectors</i>	Get the list of source connectors of a project
<u>Get all target connectors</u> <i>GET /groups/getalltargetconnectors</i>	Get the list of target connectors of a project

2 APIs

When an API fails, it returns the following JSON structure:

```
{"hasError":True": ErrorString}
```

2.1 Get all groups

```
GET /groups/getall
```

Get the group migration tag, the migration tag is unique for the group, you need it for all API request about a single group.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/groups/getall?consumerKey=myConsumerKey
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{
  "hasError":false,
  "response":
  [{
    "sourceGroupName":"mySourceGroupName",
    "targetGroupName":"myTargetGroupName",
    "sourceGroupURL":mySourceGroupURL,
    ...
  },
  {
    ....
  },
  ...
]}
```

2.2 Get the migration tag of a group

```
GET /groups/migrationtag
```

Get the group migration tag, the migration tag is unique for the group, you need it for all API request about a single group.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
sourceGroupName	string	Group source name used for the migration
targetGroupName	string	Group target name used for the migration

Example

```
https://apps.cloudiway.com/api/groups/migrationtag?consumerKey=myConsumerKey
&consumerSecret=myConsumerSecret&sourceGroupName=mySource@mydomain.com&tar
getGroupName=myTarget@myDomain.com
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{"hasError":false,"response":"c0d9b808-965e-4d80-9230-xxxxxxxxxxxxxxxx"}
```

2.3 Get a group

```
GET /groups/{migrationtag}/get
```

Get a single group defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/groups/c0d9b808-965e-4d80-9230-
xxxxxxxxxxxxxxxxx/get?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError": false,
  "response": {
    {
      "SourceGroupName": "mySourceName",
      "SourceGroupUrl": "mySourceUrl",
      "TargetGroupName": "myTargetName",
      ...
    }
  }
}
```

2.4 Start a migration

```
POST /groups/start
```

Start the migration process for a single group defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
migrationTag	Guid	MigrationTag of the user

Example

<https://apps.cloudiway.com/api/groups/start>

Body

```
{
  "consumerKey": "myConsumerKey",
  "consumerSecret": "myConsumerSecret",
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError": false, "response": "User scheduled" }
```

2.5 Stop a migration

```
POST /groups/stop
```

Start the migration process for a single group defined by its migration tag.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
migrationTag	Guid	MigrationTag of the user

Example

```
https://apps.cloudiway.com/api/groups/stop
```

Body

```
{
  "consumerKey": "myConsumerKey",
  "consumerSecret": "myConsumerSecret",
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError": false, "response": "User stopped"}
```

2.6 Get a group status

```
GET /groups/{migrationtag}/status
```

Get the migration group status (more information about migration status [here](#)).

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/groups/c0d9b808-965e-4d80-9230-  
xxxxxxxxxxxxxxxx/status?consumerKey=myConsumerKey  
&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false,"response":"WORKING"}
```

2.7 Assign a license to a group

```
POST /groups/license
```

Assign an available group license to a group

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
migrationTag	Guid	MigrationTag of the user

Example

<https://apps.cloudiway.com/api/groups/license>

Body

```
{  
  "consumerKey": "myConsumerKey",  
  "consumerSecret": "myConsumerSecret",  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{"hasError": false, "response": "License assigned"}
```

2.8 Create a group

POST /groups/create

Create a group with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
sourceGroupName	string	The source group name
targetGroupName	string	The target group name
sourceConnectorName	string	The display name of the source connector
targetConnectorName	string	The display name of the target connector
sourceGroupUrl	string	The url of the source group
recipientType	string	The type of the recipient. It should be either "Office365_Unified_Groups" or "Office365_Shared_Mailbox"
sourceEmail	string	The email of the owner of the group

Example

<https://apps.cloudiway.com/api/groups/create>

Body

```
{
  "auth":
  {
    "consumerKey":"myConsumerKey",
    "consumerSecret":"myConsumerSecret",
  },
  "sourceGroupName":"John",
  "targetGroupName":"Doe",
  "sourceGroupUrl":"/JD",
  "targetGroupUrl":"/target ",
  "sourceConnectorName":"SourceConnector",
  "targetConnectorName":"OfficeTarget",
  "sourceEmail":"John@domain.com",
  "recipientType":"Office365_Shared_Mailbox"
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{
  "hasError": false,
  "response": User Created
}
```

2.9 Delete a group

```
POST /groups/delete
```

Create a group with parameters defined by its migration tag

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
migrationTag	Guid	MigrationTag of the Group

Example

<https://apps.cloudiway.com/api/groups/delete>

Body

```
{  
  
  "consumerKey": "myConsumerKey",  
  
  "consumerSecret": "myConsumerSecret",  
  
  "migrationTag": "94102641-xxx-xxxx-xxx-xxxxxxxx"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json; charset=UTF-8

```
{ "hasError": false, "response": User deleted}
```

2.10 Update a group

```
POST /groups/{migrationtag}/update
```

Update a group with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	The MigrationTag of the Grou
firstName	string	The customers first name
lastName	string	The customers last name
sourceEmail	string	The email of the source connector
targetEmail	string	The email of the target connector
sourceConnectorName	string	The display name of the source connector
targetConnectorName	string	The display name of the target connector

Example

<https://apps.cloudiway.com/api/groups/update>

Body

```
{
  "auth":
  {
```

```
"consumerKey":"myConsumerKey",  
"consumerSecret":"myConsumerSecret",  
"migrationTag":"xxx-xxx-xx-xxxxx-xxxxx-xxxxx"  
},  
"sourceGroupName":"John",  
"targetGroupName":"Doe",  
"sourceGroupUrl":"/JD",  
"targetGroupUrl":"/target ",  
"sourceConnectorName":"SourceConnector",  
"targetConnectorName":"OfficeTarget",  
"sourceEmail":"John@domain.com",  
"recipientType":"Office365_Shared_Mailbox"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{  
  "hasError": false, , "response":User updated  
}
```

2.11 Start a Get Group process

```
POST /groups/startgetgroups
```

Start the Get Group process for connector defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
sourceConnectorName	string	Display name of a connector

Example

```
https://apps.cloudiway.com/api/groups/startgetgroups
```

Body

```
{
  "auth":{
    "consumerKey":"myConsumerKey",
    "consumerSecret":"myConsumerSecret"
  },
  "sourceConnectorName":"myConnectorName"
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": GetGroups started}
```

2.12 Get a batch

```
GET /groups/getbatch
```

Get a single batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

```
https://apps.cloudiway.com/api/groups/getbatch?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret&batchName=myBatchName
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError":false,
  "response":{
    "id":"2297,
    "batchName":"CIW_Test",
    "customerId":9999,
    "nbGroups":0}
}
```

2.13 Add a group to a batch

```
POST /groups/addtobatch
```

Add a group defined by its migration tag to a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/groups/addtobatch>

Body

```
{
  "auth":
  {
    "consumerKey": "myConsumerKey",
    "consumerSecret": "myConsumerSecret",
    "migrationTag": "xxx-xxxx-xxxxxx-xxxxx-xxx-xxx"
  },
  "batchName": "BatchName",
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": User added to batch "myBatchName"}
```

2.14 Remove a group from a batch

POST /groups/removefrombatch

Remove a group defined by its migration tag from the batch that it belongs to.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
MigrationTag	Guid	MigrationTag of the Group to be removed

Example

<https://apps.cloudiway.com/api/groups/removefrombatch>

Body

```
{  
  "consumerKey":"myConsumerKey",  
  "consumerSecret":"myConsumerSecret",  
  "migrationTag":"94102641-xxx-xxxx-xxx-xxxxxxxx"
```

```
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": User removed from Batch}
```

2.15 Start a batch

```
POST /groups/startbatch
```

Start a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/groups/startbatch>

Body

```
{
  "auth":
  {
    "consumerKey": "MyConsumerKey",
    "consumerSecret": "myConsumerSecret"
  },
  "batchName": "GroupBatch"
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": Batch myBatchName started}
```

2.16 Stop a batch

```
POST /groups/stopbatch
```

Stop a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/groups/stopbatch>

Body

```
{
  "auth":
  {
    "consumerKey": "MyConsumerKey",
    "consumerSecret": "myConsumerSecret"
  },
  "batchName": "GroupBatch"
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{"hasError":false, "response": Batch myBatchName stopped}
```

2.17 Create a batch

```
POST /groups/createbatch
```

Create a batch with parameters defined in the body of the request

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/groups/createbatch>

Body

```
{  
  "auth":{  
    "consumerKey":"myConsumerKey",  
    "consumerSecret":"myConsumerSecret"  
  },  
  "batchName":"GroupBatch"  
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{
  "hasError": false,
  "response": Batch myBatch created }
```

2.18 Delete a batch

POST /groups/deletebatch

Delete a batch defined by its batch name

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

<https://apps.cloudiway.com/api/groups/deletebatch>

Body

```
{
  "auth":{
    "consumerKey":"myConsumerKey",
    "consumerSecret":"myConsumerSecret"
  },
  "batchName":"GroupBatch"
```

```
}
```

Sample Response

Status: 200 OK

Content Type : application/json;charset=UTF-8

```
{  "hasError": false ,  "response": Batch myBatch deleted }
```

2.19 Get groups in a batch

```
GET /groups/getusersinbatch
```

Get the groups in a batch defined by its name.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication
batchName	string	The displayed name of the batch

Example

```
https://apps.cloudiway.com/api/groups/getusersinbatch?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret&batchName=myBatchName
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError": false,
  "response":
    [
      {"id": 124637, "customerBatchID": 2267, "customerGroupID": 282635},
    ]
}
```

```
{  
  "id":126113,"customerBatchID":2267,"customerGroupID":279858}  
]  
}
```

2.20 Get all source connectors

```
GET /groups/getallsourceconnectors
```

Get all the connectors of a project.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/groups/getallsourceconnectors?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json;charset=UTF-8

```
{
  "hasError":false,
  "response":
    [
      {"name":"GroupStystem","type":"GroupSystem"},
      {"name":"GSites Connector","type":"GSuite"},
      {"name":"IN-Google-Demo","type":"GSuite"},
    ]
}
```

```
{
  "name": "IN-O365-Lab", "type": "OneDrive",
  "name": "OneDrive source", "type": "OneDrive",
  "name": "testonedrive", "type": "OneDrive"
}
```

2.21 Get all target connectors

```
GET /groups/getalltargetconnectors
```

Get all the target connectors of a project.

Parameters

consumerKey	string	Consumer key for authentication
consumerSecret	string	Consumer secret for authentication

Example

```
https://apps.cloudiway.com/api/groups/getalltargetconnectors?consumerKey=myConsumerKey&consumerSecret=myConsumerSecret
```

Sample Response

Status: 200 OK

Content Type: application/json; charset=UTF-8

```
{
  "hasError":false,
  "response":
    [
      {"name":"GroupStystem","type":"GroupSystem"},
      {"name":"GSites Connector","type":"GSuite"},
      {"name":"IN-Google-Demo","type":"GSuite"},
      {"name":"IN-O365-Lab","type":"OneDrive"},
      {"name":"OneDrive target","type":"OneDrive"},
      {"name":"testonedrive","type":"OneDrive"}
    ]
}
```

Appendix

List of statuses

0	UNKNOWN
1	NOTSTARTED
2	WORKING
3	ONERROR
4	SUCCESS
5	STOP
6	PENDING
7	SCHEDULED
8	STOPPING
9	SCHEDULEDINAGENT
10	WORKINGINAGENT
11	PRE_PROCESSING
12	PRE_PROCESSING_ERROR
13	PRE_PROCESSING_PENDING
14	PRE_PROCESSING_WORKING
15	MAIL_SENT
16	AUDIT
17	AUDIT_ERROR
18	AUDIT_DONE
19	AUDIT_WORKING
20	GET_SITES
21	GET_SITES_ERROR
22	GET_SITES_DONE
23	GET_SITES_WORKING

24	LICENSE_EXCEEDED
25	GET_GROUPS_WORKING
26	GET_GROUPS_DONE
27	GET_GROUPS
28	GET_GROUPS_ERROR
29	ARCHIVESCHEDULED
30	EXPORTINPROGRESS
31	GET_SITES_AGENT
32	AUDIT_SITES_AGENT
33	SCHEDULED_SITES_AGENT
34	WAITING_ROOT_SITE
35	MAILPERMISSIONS_ERROR
36	MAILPERMISSIONS_SCHEDULED
37	MAILPERMISSIONS_WORKING
38	MAILPERMISSIONS_DONE
39	CALENDARPOSTPROCESS_ERROR
40	CALENDARPOSTPROCESS_SCHEDULED
41	CALENDARPOSTPROCESS_WORKING
42	CALENDARPOSTPROCESS_DONE
43	SHAREDMBXPREPROC_ERROR
44	SHAREDMBXPREPROC_SCHEDULED
45	SHAREDMBXPREPROC_WORKING
46	SHAREDMBXPREPROC_DONE
47	SCHEDULED_FILES_AGENT
48	MAILROOMEQUIPEMENT_ERROR
49	MAILROOMEQUIPEMENT_SCHEDULED
50	MAILROOMEQUIPEMENT_WORKING
51	MAILROOMEQUIPEMENT_DONE
52	GETEXCHANGEGUIDS_ERROR
53	GETEXCHANGEGUIDS_SCHEDULED
54	GETEXCHANGEGUIDS_WORKING
55	GETEXCHANGEGUIDS_DONE

