FAST-START API
FOR ADMINISTRATOR

ONLINE HELP: ELEAPSOFTWARE.COM/SUPPORT

VERSION 3
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[Download API User Guide](#)

Overview

The eLeaP API consists of a set of callable methods. To perform an action using the API, send a request to an API endpoint and a response will then be sent back to you. If you don't have an API account, [contact eLeaP](#) to register and activate your API account.

The request can either be GET or POST. We recommend you use POST requests.

The response you'll get will be a [JSON](#) encoded object.

Authentication

All requests to the API must contain the parameter api_token. You can get this key from your eLeaP account, if you are an administrator. You'll find the api_token in COMPANY PROFILE > API.

If you think the key has been compromised, you must reset it from COMPANY PROFILE > API > Reset API Key.

Methods

Users

List

ACTION:

– returns the list of users (trainees and instructors) from the company.

URL:

– https://[company].2leap.com/api/users/   *(replace [company] with your 2leap subdomain)*

ARGUMENTS:

– api_token (Required)
– order (Optional, 'asc' or 'desc')
– custom_fields (optional, JSON format: {"Department":"Sales","Location":"New York"})

Get

ACTION:

– returns the details for a user from the company (trainee or instructor).

URL:

– https://[company].2leap.com/api/users/get   *(replace [company] with your 2leap subdomain)*

ARGUMENTS:

– api_token (Required)
– email (Required)

Find

ACTION:

– returns the details for a user from the company (trainee or instructor) using the eleap internal id. The id can be found in the user list or with the "get" method.

URL:

– https://[company].2leap.com/api/users/find   *(replace [company] with your 2leap subdomain)*

ARGUMENTS:
– api_token (Required)
– id (Required)

Add

ACTION:
– inserts a new user

URL:

– https://[company].2leap.com/api/users/add   *(replace [company] with your 2leap subdomain)*

ARGUMENTS:
– api_token (Required)
– first_name (Required)
– middle_name
– last_name (Required)
– email (Required)
– access_level ('1' for instructors, '0' for trainees, '2' for supervisors, '3' for managers. If missing, '0' is assumed.)
– description
– silent (optional, if set to '1' no activation email will be sent to user)
– custom_fields (optional, JSON format: {"Department":"Sales","Location":"New York"})

Edit

ACTION:
– updates information for an existing user (trainee or instructor)

URL:
– https://[company].2leap.com/api/users/edit   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– first_name (Required)
– middle_name
– last_name (Required)
– email (Required)
– access_level ('1' for instructors, '0' for trainees, '2' for supervisors, '3' for managers.)
– description
– custom_fields (optional, JSON format: {"Department":"Sales","Location":"New York"})
– id is required if you want to change the user's email

Reset Password

ACTION:
– resets the password for a user and sends him/her an email with the new password.

URL:
– https://[company].2leap.com/api/users/reset_password   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– email (Required)
– password (optional) – if not present a system generated password is set. For GET requests use alphanumeric strings.
– silent (optional, if set to '1' no assignment email will be sent to user)

Remove

ACTION:
– removes an existing user (trainee or instructor)

URL:
– https://[company].2leap.com/api/users/remove   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– email (Required)

Activate

ACTION:
– activate an existing user (trainee or instructor)

URL:
– https://[company].2leap.com/api/users/activate   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– email (Required)

Deactivate

ACTION:
– deactivate an existing user (trainee or instructor)

URL:
– https://[company].2leap.com/api/users/deactivate   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– email (Required)

Recent Completions

ACTION:
– see the completed courses in the last 24 hours

URL:
– https://[company].2leap.com/api/users/recent_completions (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)

Export Activity

ACTION:
– Export activity for all users (Response will either contain a temporary URL to an export file, or process your request to generate a report in the background which will be sent to you via email).

URL:
– https://[company].2leap.com/api/users/export_activity (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– email (Required)

Activity

ACTION:
– see completion status of an existing user (trainee or instructor)

URL:
– https://[company].2leap.com/api/users/activity   (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)
– id_course (Required)

Regenerate Activity

ACTION:
– schedules a fresh activity report. (works only if previous report is at least 5 hours old)

URL:
– https://[company].2leap.com/api/users/regenerate_activity (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)

Export Certificate

ACTION:
– Export certificate for a user assigned to a course (Response will contain a temporary URL to a certificate file)

URL:
– https://[company].2leap.com/api/users/export_certificate (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)
– id_course (Required)

Custom Fields

ACTION:
– returns the name of the custom fields, if the company has any.

URL:
– https://[company].2leap.com/api/users/custom_fields (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)

User Groups

List

ACTION:
– returns the list of user groups from the company.

URL:
– https://[company].2leap.com/api/usergroups/ (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– order (Optional, 'asc' or 'desc')

Find

ACTION:
– returns the details for a user group from the company using the eleap internal id. The id can be found with the user group list method.

URL:
– https://[company].2leap.com/api/usergroups/find (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignedUsers

ACTION:
– returns the list of users assigned to a usergroup.

URL:
– https://[company].2leap.com/api/usergroups/assigned_users (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

Add

ACTION:
– inserts a new user group
– the ID of the new group will be available in the successful response

URL:
– https://[company].2leap.com/api/usergroups/add (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– name (Required)
– description
– active(1 for yes, 0 for no, if missing 0 is assumed)

Edit

ACTION:
– updates information for an existing user group

URL:
– https://[company].2leap.com/api/usergroups/edit (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)
– name (Required)
– description
– active (1 for yes, 0 for no, if missing remains unchanged)

Remove

ACTION:
– removes an existing user group

URL:
– https://[company].2leap.com/api/usergroups/remove (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignUser

ACTION:
– assigns a user to an existing user group

URL:
– https://[company].2leap.com/api/usergroups/assign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_user (Required)

UnassignUser

ACTION:
– unassigns a user from an existing user group

URL:
– https://[company].2leap.com/api/usergroups/unassign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required
– the id of the group)
– id_user (Required)

Learning Paths (previously Training Paths)

List

ACTION:
– returns the list of Learning Paths in the company.

URL:
– https://[company].2leap.com/api/learning_paths/ (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– order (Optional, 'asc' or 'desc')

AssignedUsers

ACTION:
– returns the list of users assigned to a Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/assigned_users (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignedUserGroups

ACTION:
– returns the list of user groups assigned to a Learning Path.

URL:
– https://[company].2leap.com/api/learning_paths/assigned_user_groups (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignedCourses

ACTION:
– returns the list of courses assigned to a Learning Path.

URL:
– https://[company].2leap.com/api/learning_paths/assigned_courses (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

Find

ACTION:
– returns the details for a learning path from the company using the eleap internal id. The id can be found with the Learning Path list method.

URL:
– https://[company].2leap.com/api/learning_paths/find (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

Add

ACTION:
– inserts a new Training Path
– the ID of the new Learning Path will be available in the successful response

URL:
– https://[company].2leap.com/api/learning_paths/add (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– name (Required)
– description
– active(1 for yes, 0 for no, if missing 0 is assumed)
– order_preset(1 for yes, 0 for no, if missing 0 is assumed)
– self_enrollment(1 for yes, 0 for no, if missing 0 is assumed)

Edit

ACTION:
– updates information for an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/edit (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)
– name (Required)
– description
– active(1 for yes, 0 for no, if missing 0 is assumed)
– order_preset(1 for yes, 0 for no, if missing 0 is assumed)
– self_enrollment(1 for yes, 0 for no, if missing 0 is assumed)

Remove

ACTION:
– removes an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/remove (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignUser

ACTION:
– assigns a user to an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/assign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_user (Required)
– silent (optional, if set to 1 no assignment email will be sent to user)

UnassignUser

ACTION:
– unassigns a user from an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/unassign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_user (Required)

AssignUserGroup

ACTION:
– assigns a user group to an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/assign_user_group (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_usergroup (Required)
– silent (optional, if set to 1 no assignment email will be sent to user)

UnassignUserGroup

ACTION:
– unassigns a user group from an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/unassign_user_group (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_usergroup (Required)

AssignCourse

ACTION:
– assigns a course to an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/assign_course (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_course (Required)
– silent (optional, if set to '1' no assignment email will be sent to user)

UnassignCourse

ACTION:
– unassigns a course from an existing Learning Path

URL:
– https://[company].2leap.com/api/learning_paths/unassign_course (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_course (Required)
– silent (optional, if set to 1 no assignment email will be sent to user)

Courses

List

ACTION:
– returns the list of courses from the company.

URL:
– https://[company].2leap.com/api/courses/ (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– order (Optional, 'asc' or 'desc')

Course Object values in Courses list:
– id (Course id)
– name (Course Name)
– description (Course Description)
– active (Course status = "yes"/"no")
– created (Created Date)
– deadline (Deadline type = "date"/"relative")
– deadline_date (Deadline date if deadline type = "date")
– deadline_relative (Deadline relative to period if deadline type = "relative")
– deadline_relative_unit (Deadline relative period Unit = "days"/"months")

AssignedUsers

ACTION:
– returns the list of users assigned to a course.

URL:
– https://[company].2leap.com/api/courses/assigned_users (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignedUserGroups

ACTION:
– returns the list of user groups assigned to a course.

URL:
– https://[company].2leap.com/api/courses/assigned_user_groups (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

Find

ACTION:
– returns the details for a course from the company using the eleap internal id. The id can be found with the course list method.

URL:
– https://[company].2leap.com/api/courses/find (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required)

AssignUser

ACTION:
– assigns an user to an existing course

URL:
– https://[company].2leap.com/api/courses/assign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the course)
– id_user (Required)
– silent (optional, if set to 1 no assignment email will be sent to user)

UnassignUser

ACTION:
– unassigns an user from an existing course

URL:
– https://[company].2leap.com/api/courses/unassign_user (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the course)
– id_user (Required)

AssignUserGroup

ACTION:
– assigns an user group to an existing course

URL:
– https://[company].2leap.com/api/courses/assign_user_group (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_usergroup (Required)
– silent (optional, if set to 1 no assignment email will be sent to user)

UnassignUserGroup

ACTION:
– unassigns an user group from an existing course

URL:
– https://[company].2leap.com/api/courses/unassign_user_group (replace [company] with your 2leap subdomain)

ARGUMENTS:
– api_token (Required)
– id (Required – the id of the group)
– id_usergroup (Required)

Error codes

401: Request missing api token
'api_token' argument is missing or is empty

4011: Invalid API Key
'api_token' argument exists but is incorrect

403: You don't have permission for this resource
The resource you're requesting is not accessible through API. Same error is triggered if the subdomain and the api_token don't match.

404: Invalid API call
The URL is incorrect

4040: Custom message
Usually used when sent data fails validation. This typically gives custom errors returned by the eLeaP system.

4041: Requested item(s) not found
There is no data to return (response is empty).

API requests limits

API requests are put in a queue and solved as they are requested. There's an hourly limit of 2500 requests. If you hit the hourly limit, you will receive a 429 "too many connections" status alert.

Message examples

Success message after add/edit/remove:

"response":{"status":"success","code":"200","message":"OK"}}

Courses list:

```json
{
"response":{
"status":"success",
"code":"200",
"message":"OK"
},
"courses":{
"id":"1",
"name":"Course Name",
"description":"Course Description",
"active":"yes",
"created":"2023-08-21 10:45:08",
"deadline":"date",
"deadline_date":"2024-01-01",
"deadline_relative":"0",
"deadline_relative_unit":""
}
}
```

User list:

```json
{"response":{"status":"success","code":"200","message":"OK"},"users":[{"access_level":
0,
"first_name":"John", "middle_name":"", "last_name":"Doe",
"email":"jojn.doe@example.com",
"description":"Lorem ipsum dolor sit amet", "created":"2011-01-31 09:41:30"},
{"access_level":1,
"first_name":"Lorem", "middle_name":"Ipsum", "last_name":"Dolor",
"email":"lorem@example.com",
"description":"test", "created":"2010-11-11 00:00:00"}]}
```

Single user:

```json
{"response":{"status":"success","code":"200","message":"OK"},"user":[{"access_level":1
,
"first_name":"Lorem", "middle_name":"Ipsum", "last_name":"Dolor",
"email":"victoras@gmail.com",
"description":"TEST", "created":"2010-11-11 00:00:00"}]}
```

API token is wrong:

{"response":{"status":"fail","message":"Invalid API Key","code":4011}}

Custom error message:

{"response":{"status":"fail","message":"Cannot add users. Account limits reached","code":4040}}