

NOZBE REST API v.0.1

AUTHORIZATION

REGISTER APPLICATION WITH NOZBE

Request POST

`https://api.nozbe.com:3000/oauth/secret/create`

Data

- email (required)
- password (required)
- redirect_uri (required)

Response JSON

```
{
  "client_id": "OAUTH_CLIENT_ID", // random hash
  "client_secret": "OAUTH_SECRET_TOKEN" // random hash,
  "redirect_uri": "http://our.application.redirect.uri.com/app"
}
```

Examples

```
$ curl -i https://api.nozbe.com:3000/oauth/secret/create -XPOST
-d"email=nozbe@account.com&password=passwordToNozbe&redirect_uri=http://our.application.redirect.uri.com/app"
```

GETTING OAUTH CLIENT DATA

Request GET

`https://api.nozbe.com:3000/oauth/secret/data`

There is two ways for get our application data

By email and password

Data

- email (required)
- password (required)

By client id and secret token

Data

- client_id (required)
- secret_token (required)

Response

```
{
  "client_id": "OAUTH_CLIENT_ID", // random hash
  "client_secret": "OAUTH_SECRET_TOKEN" // random hash,
  "redirect_uri": "http://our.application.redirect.uri.com/app"
}
```

Examples

By email and password

```
$ curl -i https://api.nozbe.com:3000/oauth/secret/data -XGET
-d"email=nozbe@account.com&password=passwordToNozbe"
#OR
$ curl -i
https://api.nozbe.com:3000/oauth/secret/data?email=nozbe@account.com&password=passwordToNozbe -XGET
```

By client id and secret token

```
$ curl -i https://api.nozbe.com:3000/oauth/secret/data -XGET
-d"client_id=OAUTH_CLIENT_ID&client_secret=OAUTH_SECRET_TOKEN"
#OR
$ curl -i
https://api.nozbe.com:3000/oauth/secret/data?client_id=OAUTH_CLIENT_ID&client_secret=OAUTH_SECRET_TOKEN -XGET
```

CHANGING THE APP DATA

Request PUT

https://api.nozbe.com:3000/oauth/secret/data

Data

- client id
- client secret
- data to change

Response JSON

```
{
  "changed_data_name": "changed_data_value",
  ...
}
```

```
$ curl -i
https://api.nozbe.com:3000/oauth/secret/data?client_id=OAUTH_CLIENT_TOKEN&secret_token=OAUTH_SECRET_TOKEN -XPUT
-d"redirect_uri=http://our.application.redirect.uri.com/app"
```

GETTING THE OAUTH_ACCESS_TOKEN

Go to https://api.nozbe.com:3000/login?client_id=OAUTH_CLIENT_ID

Note:

`client_id` in login form is required - API must know who wants to get `access_token` from the user

After the login process, the user will be redirect to the `redirect_uri`, e.g.:

http://our.application.redirect.uri.com/app?access_token=OAUTH_ACCESS_TOKEN

REFRESHING THE OAUTH_ACCESS_TOKEN

The `OAUTH_ACCESS_TOKEN` expires after expires time (365 days). At any time, you can call the refresh method:

Request PUT

<https://api.nozbe.com:3000/oauth/secret/refresh>

Response

```
{
  "refresh": "YYYY-mm-dd H:i:s"
}
```

Examples

```
$ curl -i https://api.nozbe.com:3000/oauth/secret/refresh -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN"
OR
$ curl -i
https://api.nozbe.com:3000/oauth/secret/refresh?access_token=OAUTH_ACCESS_TOKEN
-XPUT
```

PASSING OAUTH_ACCESS_TOKEN

There are two ways for passing the token:

HEADER: Authorization: OAUTH_ACCESS_TOKEN

HTTP: ?access_token=OAUTH_ACCESS_TOKEN

API QUERIES

GETTING LIST OF TASKS/PROJECTS OR CONTEXTS

authorize

Request GET

`https://api.nozbe.com:3000/list`

Data

- type (required) task/project/context

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/list -XGET -d"type=task" -H"Authorization: OAUTH_ACCESS_TOKEN"
#OR
$ curl -i https://api.nozbe.com:3000/list?access_token=OAUTH_ACCESS_TOKEN -XGET -d"type=task"
```

GETTING TASKS

List of tasks by the task id, project id or context id

authorize

Request GET

`https://api.nozbe.com:3000/tasks`

Data

- type (required) project/context/next_action
- id (required without next actions) project id/context id

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/tasks -XGET -d"type=project&id=PROJECT_ID" -H"Authorization: OAUTH_ACCESS_TOKEN"
#OR
$ curl -i https://api.nozbe.com:3000/tasks?access_token=OAUTH_ACCESS_TOKEN -XGET -d"type=project&id=PROJECT_ID"
```

GETTING A SINGLE TASK

authorize

Request GET

https://api.nozbe.com:3000/task

Data

- id (required) task id

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/task -XGET -d"id=TASK_ID" -H"Authorization: OAUTH_ACCESS_TOKEN"
#OR
$ curl -i https://api.nozbe.com:3000/task?access_token=OAUTH_ACCESS_TOKEN -XGET -d"id=TASK_ID"
```

GETTING A SINGLE PROJECT

authorize

Request GET

https://api.nozbe.com:3000/project

Data

- id (required) project id

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/project -XGET -d"id=PROJECT_ID"
-H"Authorization: OAUTH_ACCESS_TOKEN"
#OR
$ curl -i https://api.nozbe.com:3000/project?access_token=OAUTH_ACCESS_TOKEN -XGET
-d"id=PROJECT_ID"
```

GETTING A SINGLE CONTEXT

authorize

Request GET

https://api.nozbe.com:3000/context

Data

- id (required) context id

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/context -XGET -d"id=CONTEXT_ID"
-H"Authorization: OAUTH_ACCESS_TOKEN"
#OR
$ curl -i https://api.nozbe.com:3000/context?access_token=OAUTH_ACCESS_TOKEN -XGET
-d"id=CONTEXT_ID"
```

ADDING A NEW TASK

authorize

Request POST

https://api.nozbe.com:3000/task

Data

- name (required)
- project_id (not required) default next action
- comment_unread (not required) default false
- completed (not required) default false
- con_list (not required) WARNING - IF SET AND DON'T HAVE ANY VALUE ALL CONTEXTS WILL BE REMOVED FROM THIS TASK, eg. ?con_list="context_id1","context_id2"
- datetime (not required) "Y-m-d H:i:s" (user time zone) default false
- next (not required) is next action, default false
- re_user (not required) user_id (defaults: if project is sharing then default for anyone else if project is private, then for you)
- recur (not required) default 0, possibilities:
 - 0 "Do not repeat"
 - 1 "every Day"
 - 2 "every Weekday"
 - 3 "every Week"
 - 4 "every 2 Weeks"
 - 5 "every Month"
 - 6 "every Half a Year"
 - 7 "every Year"
 - 8 "every 3 Weeks"
 - 9 "every 2 Months"
 - 10 "every 3 Months"
 - 11 "every 2 Years"
 - 12 "every 2 Days"
 - 13 "every 4 Weeks"
- time (not required) default 0, possibilities:
 - 0 "not set"
 - 5 "5 min"
 - 15 "15 min"
 - 30 "30 min"
 - 45 "45 min"
 - 60 "1 h"
 - 90 "1.5 h"
 - 120 "2 h"
 - 150 "2.5 h"
 - 180 "3 h"
 - 240 "4 h"
 - 300 "5 h"
 - 360 "6 h"
 - 420 "7 h"
 - 480 "8 h"

Response JSON

```
// data from Nozbe
```

Examples

```
$ curl -i https://api.nozbe.com:3000/task -XPOST -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'name=some task&project_id=some project
id&comment_unread=true&con_list="first_context_id","second_context_id"&datetime=YYY
Y-mm-dd H:i:s&next=true&recur=1&time=30'
OR
$ curl -i https://api.nozbe.com:3000/task?access_token=OAUTH_ACCESS_TOKEN -XPOST
-d'name=some task&project_id=some project
id&comment_unread=true&con_list="first_context_id","second_context_id"&datetime=YYY
Y-mm-dd H:i:s&next=true&recur=1&time=30'
```

UPDATING A TASK

authorize

Request PUT

https://api.nozbe.com:3000/task

Data

- id (required) - task id
- OTHER DATA LIKE ADD TASK

```
**Response JSON**
```json
// data from Nozbe
```

## Examples

```
$ curl -i https://api.nozbe.com:3000/task -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=updated_task_id&name=some task other name&project_id=some
other project
id&comment_unread=true&con_list="first_context_id","second_context_id"&datetime=YYY
Y-mm-dd H:i:s&next=true&recur=1&time=30'
OR
$ curl -i https://api.nozbe.com:3000/task?access_token=OAUTH_ACCESS_TOKEN -XPUT
-d'id=updated_task_id&name=some task other name&project_id=some other project
id&comment_unread=true&con_list="first_context_id","second_context_id"&datetime=YYY
Y-mm-dd H:i:s&next=true&recur=1&time=30'
```

## DELETING A TASK

### Request DELETE



https://api.nozbe.com:3000/task

## authorize

### Data

- id ( required ) - task id

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/task -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=deleted_task_id'
OR
$ curl -i https://api.nozbe.com:3000/task?access_token=OAUTH_ACCESS_TOKEN -XDELETE
-d'id=deleted_task_id'
```

## ADDING A NEW COMMENT TO THE SPECIFIC TASK

### authorize

### Request POST

https://api.nozbe.com:3000/task/comment

### Data

- task\_id ( required ) - task id
- type ( required ) - comment type ( markdown/checklist )
- body ( required ) - comment body, checklist example: (+) marked checklist line  
(-) unmarked checklist line  
(+) third checklist line, this list is marked to

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/task/comment -XPOST -H"Authorization:
```

```
OAUTH_ACCESS_TOKEN" -d'task_id=task_id&type=checklist&body=(+) marked checklist line
(-) unmarked checklist line
(+) third checklist line, this list is marked to'
OR
$ curl -i https://api.nozbe.com:3000/task/comment?access_token=OAUTH_ACCESS_TOKEN
-XPOST -d'task_id=task_id&type=checklist&body=(+) marked checklist line
(-) unmarked checklist line
(+) third checklist line, this list is marked to'
```

## EDITING A COMMENT

authorize

### Request PUT

https://api.nozbe.com:3000/task/comment

Data

- id ( required ) - comment id
- task\_id ( required ) - task id // TODO - task id is not nessasary!
- OTHER DATA LIKE ADD COMMENT

### Response JSON

```
// data from Nozbe
```

## Examples

```
$ curl -i https://api.nozbe.com:3000/task/comment -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=updated_comment_id&task_id=task_id&type=checklist&body=(+)
marked checklist line 1
(-) unmarked checklist line 1
(+) third checklist line, this list is marked to 1'
OR
$ curl -i https://api.nozbe.com:3000/task/comment?access_token=OAUTH_ACCESS_TOKEN
-XPUT -d'id=updated_comment_id&task_id=task_id&type=checklist&body=(+) marked
checklist line 1
(-) unmarked checklist line 1
(+) third checklist line, this list is marked to 1'
```

## DELETING A COMMENT

authorize

### Request DELETE

https://api.nozbe.com:3000/task/comment

## Data

- id ( required ) - comment id
- task\_id ( required ) - task id // TODO - task id is not nessasary!

## Response JSON

```
// data from Nozbe
```

## Examples

```
$ curl -i https://api.nozbe.com:3000/task/comment -XDELETE -H"Authorization: OAUTH_ACCESS_TOKEN" -d'id=deleted_comment_id&task_id=task_id'
OR
$ curl -i https://api.nozbe.com:3000/task/comment?access_token=OAUTH_ACCESS_TOKEN -XDELETE -d'id=deleted_comment_id&task_id=task_id'
```

## ADDING A NEW PROJECT

### authorize

### Request POST

```
https://api.nozbe.com:3000/project
```

## Data

- name ( required )
- tags ( not required ) WARNING - IF SET AND DON'T HAVE ANY VALUE ALL TAGS WILL BE REMOVED FROM THIS PROJECT, eg. ?tags="some tag","other tag"

## Response JSON

```
// data from Nozbe
```

## Examples

```
$ curl -i https://api.nozbe.com:3000/project -XPOST -H"Authorization: OAUTH_ACCESS_TOKEN" -d'name=some project name&tags="first_tag_id","second_tag_id"'
OR
$ curl -i https://api.nozbe.com:3000/project?access_token=OAUTH_ACCESS_TOKEN -XPOST -d'name=some project name&tags="first_tag_id","second_tag_id"'
```

## EDITING A PROJECT

### authorize

## Request PUT

https://api.nozbe.com:3000/project

### Data

- id ( required )
- OTHER DATA LIKE ADD PROJECT

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/project -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=updated_project_id&name=some project
name&tags="first_tag_id","second_tag_id"'
OR
$ curl -i https://api.nozbe.com:3000/project?access_token=OAUTH_ACCESS_TOKEN -XPUT
-d'id=updated_project_id&name=some project
name&tags="first_tag_id","second_tag_id"'
```

## DELETING A PROJECT

### authorize

### Request DELETE

https://api.nozbe.com:3000/project

### Data

- id ( required )

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/project -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=deleted_project_id'
OR
$ curl -i https://api.nozbe.com:3000/project?access_token=OAUTH_ACCESS_TOKEN
-XDELETE -d'id=deleted_project_id'
```

## ADDING A NEW CONTEXT

[authorize](#)

### Request POST

`https://api.nozbe.com:3000/context`

### Data

- name ( required )
- icon ( required ) [int]: // TODO - URL'S TO ICONS!
  - 45: 'H'
  - 47: 'd'
  - 42: 'e'
  - 52: 'z'
  - 43: 'T'
  - 48: 'F'
  - 46: 'k'
  - 16: 'u'
  - 50: 'P'
  - 44: 'M'
  - 41: 'q'
  - 51: 'K'
  - 53: 'B'
  - 49: 'f'
  - 26: '%'

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/context -XPOST -H"Authorization: OAUTH_ACCESS_TOKEN" -d'name=some context name&icon=47'
OR
$ curl -i https://api.nozbe.com:3000/context?access_token=OAUTH_ACCESS_TOKEN -XPOST -d'name=some context name&icon=47'
```

## EDITING A CONTEXT

[authorize](#)

## Request PUT

`https://api.nozbe.com:3000/context`

### Data

- id ( required )
- OTHER DATA LIKE ADD CONTEXT

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/context -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=updated_context_id&icon=47'
OR
$ curl -i https://api.nozbe.com:3000/context?access_token=OAUTH_ACCESS_TOKEN -XPUT
-d'id=updated_context_id&icon=47'
```

## DELETING A CONTEXT

### authorize

### Request DELETE

`https://api.nozbe.com:3000/context`

### Data

- id ( required )

### Response JSON

```
// data from Nozbe
```

### Examples

```
$ curl -i https://api.nozbe.com:3000/context -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'id=deleted_context_id'
OR
$ curl -i https://api.nozbe.com:3000/context?access_token=OAUTH_ACCESS_TOKEN
-XDELETE -d'id=deleted_context_id'
```

## JSON FORMAT

All the above queries for projects, contexts and tasks can be send using JSON format.

```
NOTE: If parts of data generate errors they will be skipped!
```

```
NOTE: All JSON data should be formatted as arrays, e.g.:
```

```
[
 {"project":"data"},
 {"other_project":"data"}
]
```

## Request URLs for POST/PUT/DELETE

```
https://api.nozbe.com:3000/json/project
https://api.nozbe.com:3000/json/context
https://api.nozbe.com:3000/json/task
```

NOTE: json/task can also be used to add/change comments

## JSON FOR PROJECTS

```
https://api.nozbe.com:3000/json/project
```

## Example

```
/* Adding 2 new projects */
$ curl -i https://api.nozbe.com:3000/json/project -XPOST -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 {
 "name": "first project name",
 "tags":
 [
 "first_tag_id",
 "second_tag_id"
]
 },
 {
 "name": "second project name",
 "tags":
 [
 "first_tag_id",
 "second_tag_id"
]
 }
]'
/* Editing 2 projects */
$ curl -i https://api.nozbe.com:3000/json/project -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
```

```

[
 {
 "id": "updated_first_project_id",
 "name": "first project name 1",
 "tags":
 [
 "first_tag_id_1",
 "second_tag_id_1"
]
 },
 {
 "id": "updated_second_project_id",
 "name": "second project name 1",
 "tags": [] /* an empty array removes all tags */
 }
]'
/* Deleting two projects */
$ curl -i https://api.nozbe.com:3000/json/project -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 "first_project_id_to_delete",
 "second_project_id_to_delete"
]'
```

## JSON FOR CONTEXTS

<https://api.nozbe.com:3000/json/context>

### Example

```

/* Adding two new contexts */
$ curl -i https://api.nozbe.com:3000/json/context -XPOST -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 {
 "name": "first context name",
 "icon": 47
 },
 {
 "name": "second context name",
 "icon": 52
 }
]'
/* Editing two contexts */
$ curl -i https://api.nozbe.com:3000/json/context -XPUT -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 {
 "id": "updated_first_context_id",
 "name": "first context name 1",
 "icon": 43
 },
 {
 "id": "updated_second_context_id",
 "name": "second context name 1",

```



```

 "icon": 47
 }
]'
```

/\* Deleting two contexts \*/

```

$ curl -i https://api.nozbe.com:3000/json/context -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 "first_context_id_to_delete",
 "second_context_id_to_delete"
]'
```

## JSON FOR TASKS

<https://api.nozbe.com:3000/json/task>

### Example

```

/* Adding two new tasks (one with two comments) */
$ curl -i https://api.nozbe.com:3000/json/task -XPOST -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 {
 "name": "first task name",
 "project_id": "some_project_id",
 "comment_unread": true,
 "con_list": [
 "first_context_id",
 "second_context_id"
],
 "datetime": "YYYY-mm-dd H:i:s",
 "next": true,
 "recur": 1,
 "time": 30,
 "comments": [
 {
 "type": "checklist",
 "body": "(+) marked checklist line\n(-) unmarked checklist line\n(+)
third checklist line, this list is marked to"
 },
 {
 "type": "markdown",
 "body": "**Markdown comment**\n\nNice!"
 }
]
 },
 {
 "name": "second task name",
 "project_id": "some_project_id",
 "con_list": [
 "some_context_id"
],
 "datetime": "YYYY-mm-dd H:i:s",
 "next": false,
 "recur": 2,
 "time": 45
 }
]
```

```

 },
]'
/* Editing two tasks, deleting old comment and adding a new one */
$ curl -i https://api.nozbe.com:3000/json/task -XPOST -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 {
 "name": "first task name",
 "project_id": "some_project_id",
 "comment_unread": true,
 "con_list": [
 "first_context_id",
 "second_context_id"
],
 "datetime": "YYYY-mm-dd H:i:s",
 "next": true,
 "recur": 1,
 "time": 30,
 "comments": [
 {
 "id": "deleted_task_id",
 "deleted": true
 },
 {
 "id": "edit_comment_id_in_this_task",
 "body": "(-) marked checklist line (now is unmarked) 1\n(-) unmarked
checklist line 1\n(+) third checklist line 1, this list is marked to"
 },
 {
 "type": "markdown",
 "body": "***New markdown comment**\n\nThis is new comment for this
task!"
 }
]
 },
 {
 "name": "second task name",
 "project_id": "some_project_id",
 "con_list": [
 "some_context_id"
],
 "datetime": "YYYY-mm-dd H:i:s",
 "next": false,
 "recur": 2,
 "time": 45
 },
]
/* Deleting two tasks */
$ curl -i https://api.nozbe.com:3000/json/task -XDELETE -H"Authorization:
OAUTH_ACCESS_TOKEN" -d'
[
 "first_task_id_to_delete",
 "second_task_id_to_delete"
]

```

## Adding a file to the project

authorize

### Request POST

`https://api.nozbe.com:3000/file`

### Data

- file
- project\_id ( required )

### Response JSON

```
// data from Nozbe
```

To add a new file, it must be sent as a "file" field, e.g.:

```
<form
url="https://api.nozbe.com:3000/file?access_token=OAUTH-TOKEN&project_id=project_id"
method="post">
 <input type="file" name="file" enctype="multipart/form-data" />
 <input type="submit" />
</form>
```