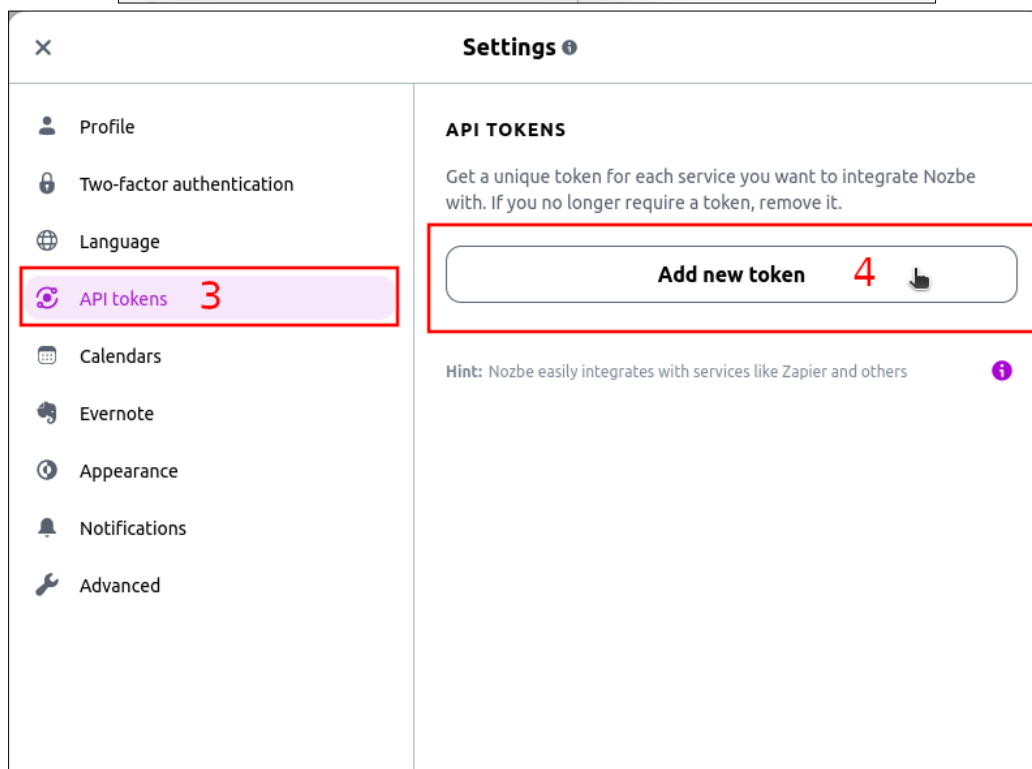
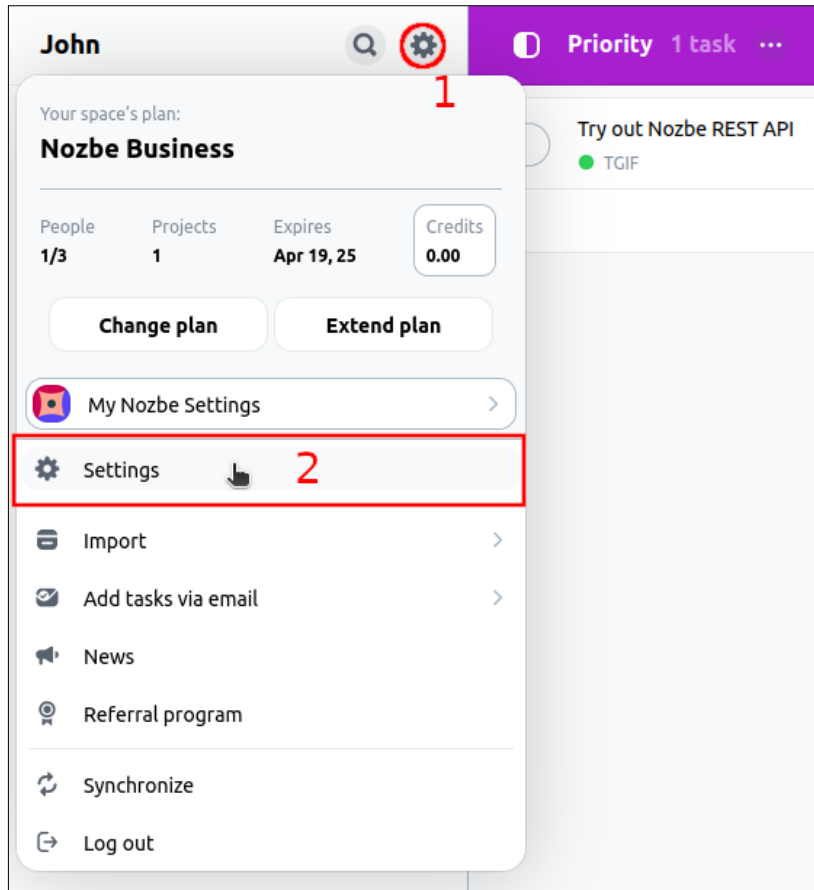


Nozbe REST API v.0.2

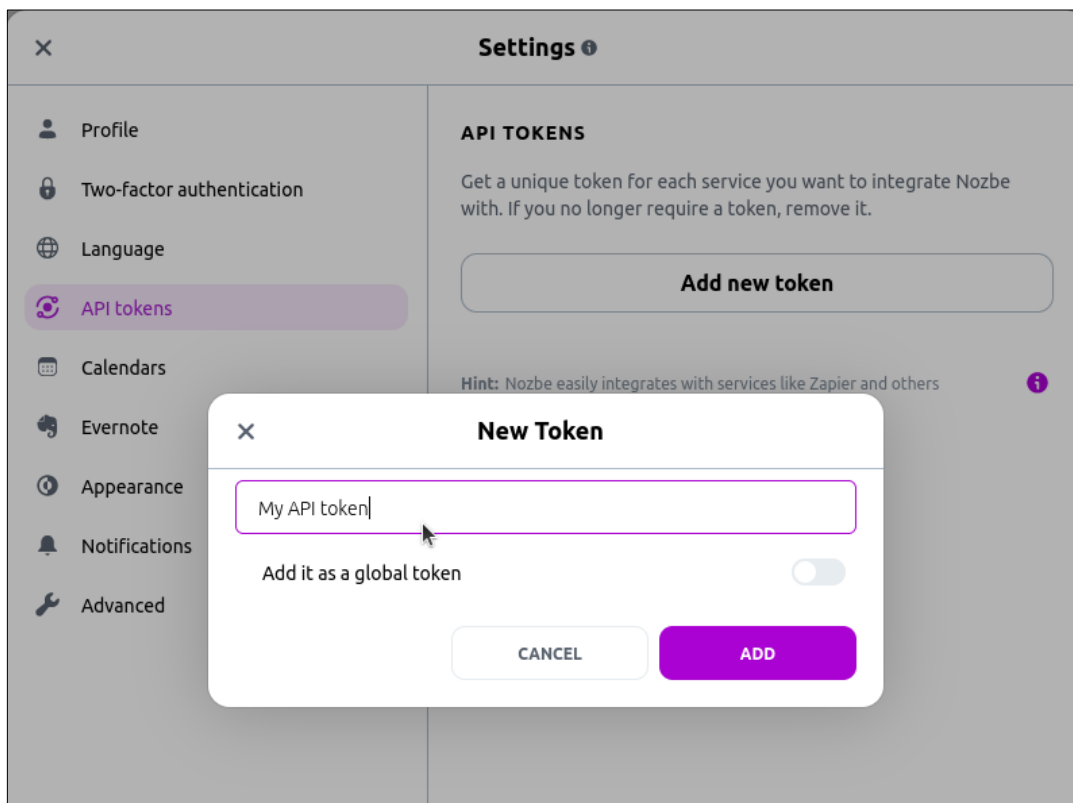
Generating API key

1. Navigate to “API tokens” in Nozbe app to create API authorization key

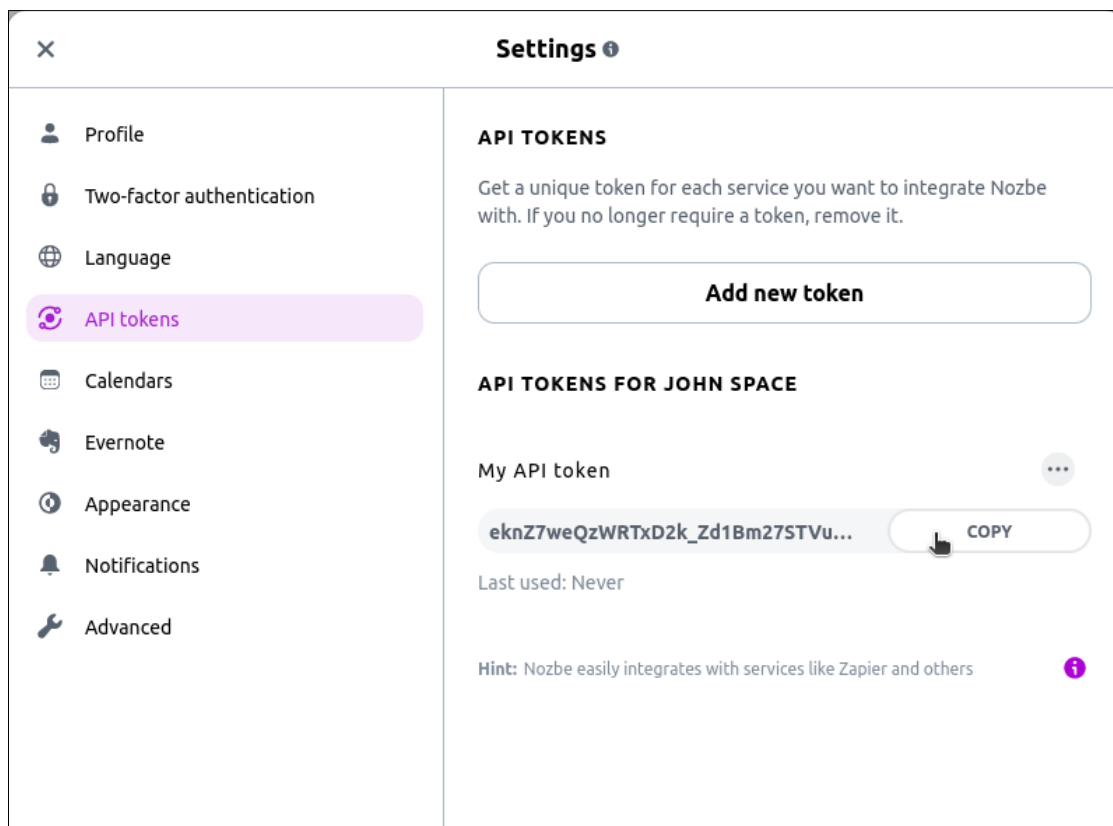


2. Provide name for API token.

If “**Add it as global token**” is disabled, token will be authorized only for selected space. If enabled, it will be possible to access data of any space.



3. Copy created token and use it as Authorization header when accessing Nozbe REST API



Using API

1. Performing requests to API

Requests can be performed on endpoints listed in documentation <https://api4.nozbe.com/v1/api> . Each endpoint requires API token to be provided as Authorization header.

Example: fetch all projects.

```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/projects' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

Example: create a task.

```
curl -X 'POST' \
  'https://api4.nozbe.com/v1/api/tasks' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>' \
  -H 'Content-Type: application/json' \
  -d '{"name": "My first task created via API"}'
```

2. Filtering results

Results can be filtered by query parameters, using LHS brackets. Supported operators are:

Operator	LHS bracket
equal	[eq] (or nothing)
not equal	[ne] or [neq]
greater than	[gt]
greater than or equal	[gte] or [ge] or [min]
less than	[lt]
less than or equal	[lte] or [le] or [max]

Example: get all favorite projects created since the beginning of year 2023.

```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/projects?is_favorite=true&created_at[min]=1672531200000' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

Example: get all active priority tasks.

```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/tasks?ended_at=null&priority_position[ne]=null' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

3. Filtering fields

Through `fields` query parameter, one can limit object fields returned by server. Fields should be separated with commas. If not provided, all fields will be returned.

Example: get only IDs and names of abandoned tasks.

```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/tasks?is_abandoned=true&fields=id,name' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

4. Sorting

Sorting results is possible through `sortBy` query parameter. User can provide multiple fields to sort by, separated with commas. For descending sort order, use '-' before sort field.

Example: get all projects sorted by name. If names are equal, sort by newest first.

```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/projects?sortBy=name,-created_at' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

5. Pagination

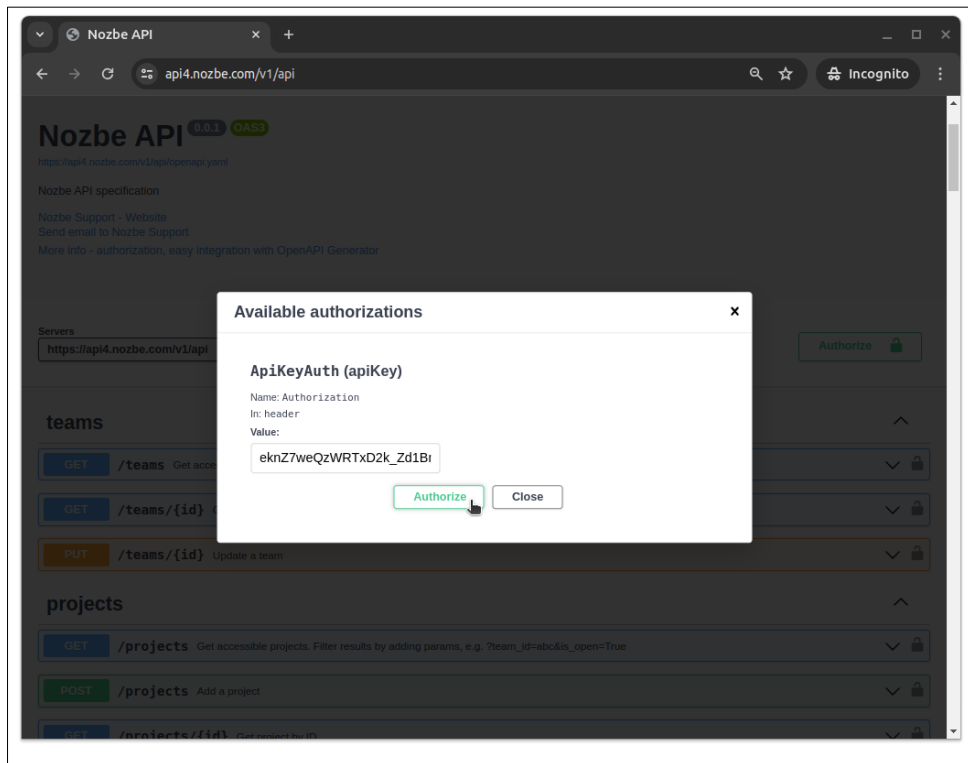
Query parameters `limit` and `offset` can be used to paginate results.

Example: get all tasks sorted by creation date. Split results into pages, each containing 10 tasks, and return 3rd page.

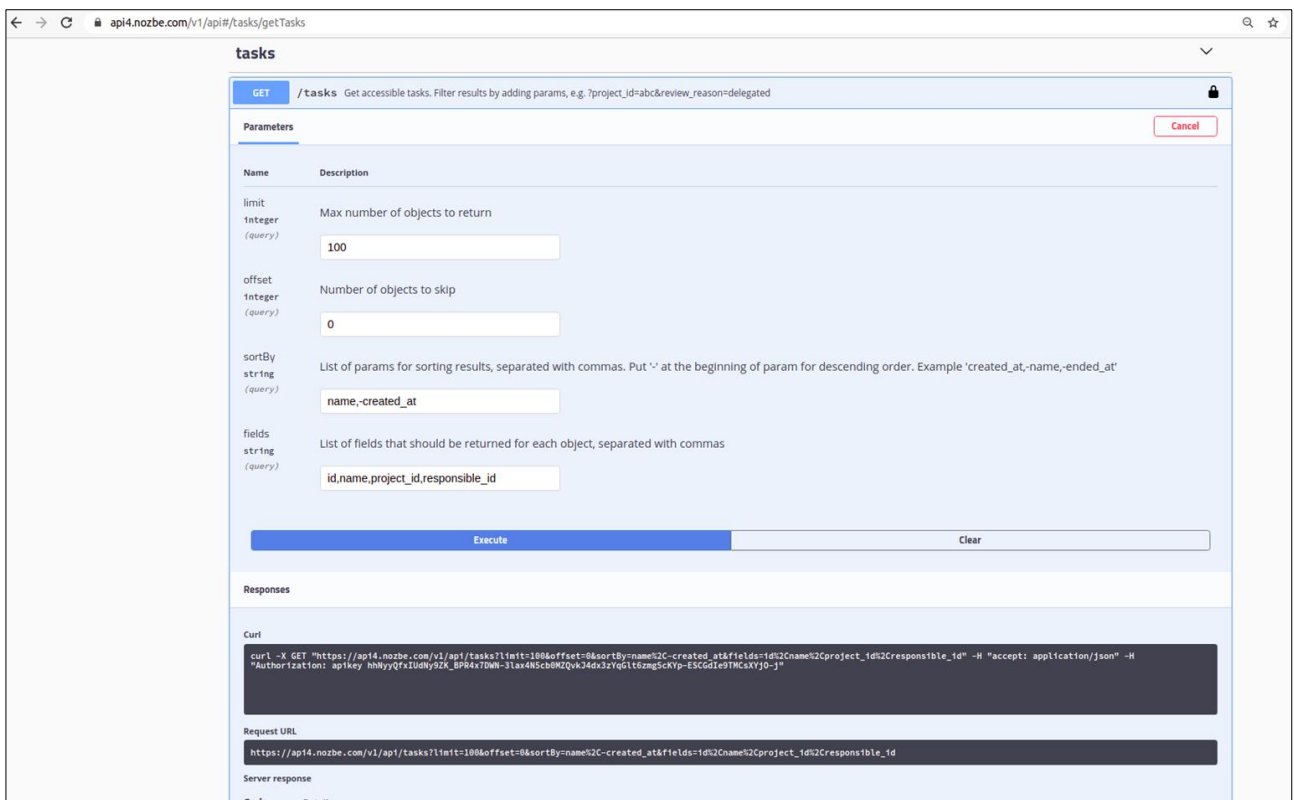
```
curl -X 'GET' \
  'https://api4.nozbe.com/v1/api/tasks?sortBy=created_at&limit=10&offset=20' \
  -H 'accept: application/json' \
  -H 'Authorization: <API token>'
```

Using interactive API documentation

1. Go to Nozbe API interactive documentation at <https://api4.nozbe.com/v1/api>
2. Select **Authorize** and provide your API token



3. Start using interactive API documentation by selecting "Try it out" on endpoint and executing requests with **Execute**.



Generating API clients with OpenAPI Generator

Nozbe provides an OpenAPI 3.0 document at <https://api4.nozbe.com/v1/api/openapi.yaml>
Integration with Nozbe API can be simplified by generating client code using OpenAPI Generator (<https://openapi-generator.tech/>). The list of available client generators can be found here: <https://openapi-generator.tech/docs/generators#client-generators>

Exemplary Ruby integration with Nozbe API

1. Install OpenAPI Generator <https://openapi-generator.tech/docs/installation/>
2. Generate client code with (“ruby” can be replaced with another available generator):

```
openapi-generator-cli generate -i https://api4.nozbe.com/v1/api/openapi.yaml -g ruby -o /tmp/test/
```

3. If `README.md` file was generated, follow instructions from this file to compile and set up client. Make sure to use API token as Authorization header. Generated client methods can now be used to communicate with Nozbe server. Below is an example of using generated Ruby client methods to get Single Tasks project and create a task and a comment.

```
client.rb
1 # Load the gem
2 require 'openapi_client'
3
4 # Setup authorization
5 OpenapiClient.configure do |config|
6   # Configure API key authorization: ApiKeyAuth
7   config.api_key['ApiKeyAuth'] = 'hhNyyQfxIUdNy9ZK_BPR4x7DWN-3lax4N5cb0MZQvkJ4dx3zYqGlt6zmg5cKYp-ESCGdIe9TMCsXYj0-j'
8 end
9
10 projects_api = OpenapiClient::ProjectsApi.new
11 tasks_api = OpenapiClient::TasksApi.new
12 comments_api = OpenapiClient::CommentsApi.new
13
14 begin
15   #Get ID of a Single Tasks project
16   single_tasks_project_id = projects_api.get_projects(query_params: {is_single_tasks: true})[0].id
17   #Create a task and get its ID
18   new_task_id = tasks_api.post_task(OpenapiClient::Task.new(
19     name: "REST API test task",
20     project_id: single_tasks_project_id,
21     project_position: 0
22   )).id
23   #Create a comment
24   new_comment = comments_api.post_comment(OpenapiClient::Comment.new(
25     body: "REST API test comment",
26     task_id: new_task_id,
27     extra: ""
28   ))
29   p new_comment
30 rescue OpenapiClient::ApiError => e
31   puts "Something went wrong: #{e}"
32 end
33
```