

# Nimbus API

0.1.0 OAS 3.1

[/openapi.json](#)[Authorize](#)

## default

**GET** /api/health Health

### Parameters

[Cancel](#)

No parameters

[Execute](#)[Clear](#)

### Responses

#### Curl

```
curl -X 'GET' \
  'http://127.0.0.1:8000/api/health' \
  -H 'accept: application/json'
```

#### Request URL

<http://127.0.0.1:8000/api/health>

#### Server response

Code	Details
------	---------

---

200	Response body
-----	---------------

```
{
  "ok": true
}
```

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Code	Details	
	<b>Response headers</b> <pre>content-length: 11 content-type: application/json date: Thu, 08 Jan 2026 20:38:46 GMT server: uvicorn</pre>	
	<b>Responses</b>	
Code	Description	Links
200	Successful Response	<i>No links</i>
	Media type	
	<b>application/json</b>	
	Controls Accept header.	
	<b>Example Value</b>	Schema
		"string"

## tasks

[^](#)

GET /api/tasks List Tasks 🔒 ↻

**Parameters** Cancel

Name	Description
offset integer (query)	<input type="text" value="0"/>
limit integer (query)	<input type="text" value="5"/> <small>maximum: 100</small>

Execute Clear

### Responses

## Curl

```
curl -X 'GET' \
'http://127.0.0.1:8000/api/tasks?offset=0&limit=5' \
-H 'accept: application/json'
```

## Request URL

<http://127.0.0.1:8000/api/tasks?offset=0&limit=5>

## Server response

### Code Details

401 Error: Unauthorized

*Undocumented*

#### Response body

```
{
  "detail": "Not authenticated"
}
```

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#### Response headers

```
content-length: 30
content-type: application/json
date: Thu, 08 Jan 2026 20:44:10 GMT
server: uvicorn
www-authenticate: Bearer
```

## Responses

### Code Description

### Links

200 Successful Response

*No links*

Media type

**application/json**

Controls Accept header.

#### Example Value Schema

```
[
  {
    "id": 0,
    "user_id": 0,
    "title": "string",
    "is_completed": true,
    "created_at": "2026-01-08T20:47:04.915Z",
    "updated_at": "2026-01-08T20:47:04.915Z"
  }
]
```

422 Validation Error

*No links*

Media type

**application/json**

Code	Description	Links
Example	Value	Schema
	<pre>{\n    "detail": [\n        {\n            "loc": [\n                "string",\n                0\n            ],\n            "msg": "string",\n            "type": "string"\n        }\n    ]\n}</pre>	

## POST /api/tasks Create Task



## Parameters

**Cancel**

Reset

## No parameters

## Request body required

## application/json

**Edit Value** Schema

```
{  
  "title": "Strict Test Task 1"  
}
```

## Execute

Clear

## Responses

**Curl**

```
curl -X 'POST' \
  'http://127.0.0.1:8000/api/tasks' \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "title": "Strict Test Task 1"
}'
```

**Request URL**

`http://127.0.0.1:8000/api/tasks`

**Server response****Code**      **Details**


---

401      Error: Unauthorized

*Undocumented*

**Response body**

```
{
  "detail": "Not authenticated"
}
```

[Download](#)

**Response headers**

```
content-length: 30
content-type: application/json
date: Thu, 08 Jan 2026 20:43:04 GMT
server: uvicorn
www-authenticate: Bearer
```

**Responses****Code**      **Description****Links**


---

201      Successful Response

*No links*

Media type

**application/json**

Controls Accept header.

**Example Value**   **Schema**

```
{
  "id": 0,
  "user_id": 0,
  "title": "string",
  "is_completed": true,
  "created_at": "2026-01-08T20:47:04.917Z",
  "updated_at": "2026-01-08T20:47:04.917Z"
}
```

---

422      Validation Error

*No links*

Media type

**application/json**

Code	Description	Links
	<p>Example Value Schema</p> <pre>{     "detail": [         {             "loc": [                 "string",                 0             ],             "msg": "string",             "type": "string"         }     ] }</pre>	
PUT	/api/tasks/{task_id} Update Task	
<b>Parameters</b>		<b>Cancel</b> <b>Reset</b>
Name	Description	
<b>task_id</b> * required integer (path)	5	
<b>Request body</b> required		application/json
<b>Edit Value</b> Schema		
<pre>{     "title": "Updated Task Title" }</pre>		

[Execute](#)[Clear](#)

## Responses

### Curl

```
curl -X 'PUT' \
'http://127.0.0.1:8000/api/tasks/5' \
-H 'accept: application/json' \
-H 'Content-Type: application/json' \
-d '{
  "title": "Updated Task Title"
}'
```

### Request URL

<http://127.0.0.1:8000/api/tasks/5>

### Server response

Code	Details
------	---------

401	Error: Unauthorized
-----	---------------------

*Undocumented*

**Response body**

```
{  
  "detail": "Not authenticated"  
}
```

[Download](#)

**Response headers**

```
content-length: 30  
content-type: application/json  
date: Thu, 08 Jan 2026 20:44:54 GMT  
server: uvicorn  
www-authenticate: Bearer
```

### Responses

Code	Description	Links
------	-------------	-------

200	Successful Response	<i>No links</i>
-----	---------------------	-----------------

Media type

**application/json**

Controls Accept header.

**Example Value** Schema

```
{  
  "id": 0,  
  "user_id": 0,  
  "title": "string",  
  "is_completed": true,
```

Code	Description	Links
	<pre>"created_at": "2026-01-08T20:47:04.920Z", "updated_at": "2026-01-08T20:47:04.920Z" }</pre>	
422	Validation Error	No links

Media type

**application/json**

Example Value Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

DELETE /api/tasks/{task\_id} Delete Task 🔒 ⌂

### Parameters

[Cancel](#)

Name	Description
<b>task_id</b> * required integer (path)	5

[Execute](#)

[Clear](#)

### Responses

#### Curl

```
curl -X 'DELETE' \
'http://127.0.0.1:8000/api/tasks/5' \
-H 'accept: */*'
```

#### Request URL

<http://127.0.0.1:8000/api/tasks/5>

### Server response

Code	Details
------	---------

401 *Undocumented* Error: Unauthorized

#### Response body

```
{
  "detail": "Not authenticated"
}
```

[Download](#)

#### Response headers

```
content-length: 30
content-type: application/json
date: Thu, 08 Jan 2026 20:46:14 GMT
server: uvicorn
www-authenticate: Bearer
```

### Responses

Code	Description	Links
------	-------------	-------

204 Successful Response

No links

422 Validation Error

No links

#### Media type

**application/json**

#### Example Value Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

PATCH [/api/tasks/{task\\_id}/toggle](/api/tasks/{task_id}/toggle) Toggle Task



[Cancel](#)

### Parameters

Name	Description
<b>task_id</b> * required	<input type="text" value="5"/>
integer (path)	

Execute
Clear

## Responses

### Curl

```
curl -X 'PATCH' \
'http://127.0.0.1:8000/api/tasks/5/toggle' \
-H 'accept: application/json'
```

### Request URL

<http://127.0.0.1:8000/api/tasks/5/toggle>

### Server response

Code	Details	Links
401 <i>Undocumented</i>	<p>Error: Unauthorized</p> <p><b>Response body</b></p> <pre>{   "detail": "Not authenticated" }</pre>	<a href="#">Download</a>

### Response headers

```
content-length: 30
content-type: application/json
date: Thu, 08 Jan 2026 20:45:21 GMT
server: uvicorn
www-authenticate: Bearer
```

### Responses

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <p><b>application/json</b></p> <p>Controls Accept header.</p>	<i>No links</i>

Code	Description	Links
	<b>Example Value</b> Schema <pre>{     "id": 0,     "user_id": 0,     "title": "string",     "is_completed": true,     "created_at": "2026-01-08T20:47:04.925Z",     "updated_at": "2026-01-08T20:47:04.925Z" }</pre>	
422	Validation Error	No links
	Media type <b>application/json</b>	

## auth



POST	/api/auth/register	Register	^
<b>Parameters</b>		<a href="#">Cancel</a>	<a href="#">Reset</a>
No parameters			
<b>Request body</b> <small>required</small>		<b>application/json</b>	
<b>Edit Value</b> Schema			

```
{  
  "email": "tester@example.com",  
  "password": "SecurePassword123"  
}
```

ExecuteClear

## Responses

### Curl

```
curl -X 'POST' \  
  'http://127.0.0.1:8000/api/auth/register' \  
  -H 'accept: application/json' \  
  -H 'Content-Type: application/json' \  
  -d '{  
    "email": "tester@example.com",  
    "password": "SecurePassword123"  
  }'
```

### Request URL

<http://127.0.0.1:8000/api/auth/register>

### Server response

Code	Details
------	---------

400	Error: Bad Request
-----	--------------------

*Undocumented*

**Response body**

```
{  
  "detail": "Email already registered"  
}
```

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**Response headers**

```
content-length: 37  
content-type: application/json  
date: Thu, 08 Jan 2026 20:39:58 GMT
```

**Code**      **Details**

server: uvicorn

**Responses**

<b>Code</b>	<b>Description</b>	<b>Links</b>
-------------	--------------------	--------------

200	Successful Response	<i>No links</i>
-----	---------------------	-----------------

Media type

**application/json**

Controls Accept header.

**Example Value**   Schema**"string"**

422	Validation Error	<i>No links</i>
-----	------------------	-----------------

Media type

**application/json****Example Value**   Schema

```
{
  "detail": [
    {
      "loc": [
        "string",
        0
      ],
      "msg": "string",
      "type": "string"
    }
  ]
}
```

**POST**    [/api/auth/login](#)   LoginSwagger Authorize  Uses OAuth2 password flow:

- username is the EMAIL
- password is the PASSWORD

**Parameters****Cancel****Reset**

No parameters

**Request body** required**application/x-www-form-urlencoded**

**grant\_type**  
string | (string | null)  
*pattern: ^password\$*

 **Send empty value**

**username** \* required  
string

**password** \* required  
string(\$password)

**scope**  
string

 **Send empty value**

**client\_id**  
string | (string | null)

 **Send empty value**

**client\_secret**  
string | (string | null)(\$password)

 **Send empty value****Execute****Clear****Responses****Curl**

```
curl -X 'POST' \
'http://127.0.0.1:8000/api/auth/login' \
-H 'accept: application/json' \
-H 'Content-Type: application/x-www-form-urlencoded' \
-d 'grant_type=password&username=tester%40example.com&password=SecurePassword123&scope=&client_
```

**Request URL**

```
http://127.0.0.1:8000/api/auth/login
```

**Server response**

Code	Details	
200	<p><b>Response body</b></p> <pre>{   "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJzdWIiOiI3IiwiaWF0IjoxNzY3OTAwODgxLCJleHAiOjE3Njc5OTEyODF9.uHM_bmlnG33cYFjjpABXmAWOSubgwFh",   "token_type": "bearer" }</pre> <p><a href="#">Download</a></p> <p><b>Response headers</b></p> <pre>content-length: 182 content-type: application/json date: Thu, 08 Jan 2026 20:41:20 GMT server: uvicorn</pre>	
	<b>Responses</b>	
Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p>Controls Accept header.</p> <p><b>Example Value</b> Schema</p> <pre>"string"</pre>	No links
422	<p>Validation Error</p> <p>Media type</p> <div style="border: 2px solid green; padding: 2px; display: inline-block;">application/json</div> <p><b>Example Value</b> Schema</p> <pre>{   "detail": [     {       "loc": [         "string",         0       ],       "msg": "string",       "type": "string"     }   ] }</pre>	No links
POST	/api/auth/login/json Login Json	✓

**GET** /api/auth/me Me**Parameters****Cancel**

No parameters

**Execute****Clear****Responses****Curl**

```
curl -X 'GET' \
'http://127.0.0.1:8000/api/auth/me' \
-H 'accept: application/json'
```

**Request URL**

```
http://127.0.0.1:8000/api/auth/me
```

**Server response****Code**      **Details****401**      Error: Unauthorized*Undocumented***Response body**

```
{  
    "detail": "Not authenticated"  
}
```

**Download****Response headers**

```
content-length: 30  
content-type: application/json  
date: Thu, 08 Jan 2026 20:41:53 GMT  
server: uvicorn  
www-authenticate: Bearer
```

**Responses****Code**      **Description**      **Links****200**      Successful Response      *No links*

Media type

**application/json**

Controls Accept header.

Code	Description	Links
	<p>Example Value Schema</p> <pre>"string"</pre>	

**POST /api/auth/logout Logout** ^

**Parameters** Cancel

No parameters

Execute Clear

**Responses**

**Curl**

```
curl -X 'POST' \
'http://127.0.0.1:8000/api/auth/logout' \
-H 'accept: application/json' \
-d ''
```

**Request URL**

```
http://127.0.0.1:8000/api/auth/logout
```

**Server response**

Code	Details
200	<p><b>Response body</b></p> <pre>{     "ok": true }</pre> <p style="text-align: right;"><a href="#">Download</a></p> <p><b>Response headers</b></p> <pre>content-length: 11 content-type: application/json date: Thu, 08 Jan 2026 20:47:04 GMT server: uvicorn</pre>

**Responses**

Code	Description	Links
200	<p>Successful Response</p> <p>Media type</p> <p><b>application/json</b></p> <p>Controls Accept header.</p> <p><b>Example Value</b> Schema</p> <p><code>"string"</code></p>	No links

## Schemas



**Body\_login\_api\_auth\_login\_post** > Expand all `object`

**HTTPValidationError** > Expand all `object`

**LoginIn** > Expand all `object`

**RegisterIn** > Expand all `object`

**TaskCreate** > Expand all `object`

**TaskRead** > Expand all `object`

**ValidationError** > Expand all `object`