



ETIM
International

The international classification
standard for technical products



Testing the ETIM API in Postman

Version: 1.0

Status: Published

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Date: 10/02/2023

Table of Contents

Table of Contents	2
1. Introduction	3
1.1. Prerequisites.....	3
2. Where to find information on API usage.....	3
3. Set up a new collection in Postman.....	6
4. Adjust the baseUrl variable	8
5. Setting up authentication in Postman	8
6. Adjust example request bodies	11

1. Introduction

This manual is explaining how to set up a testing environment of the ETIM API in Postman.

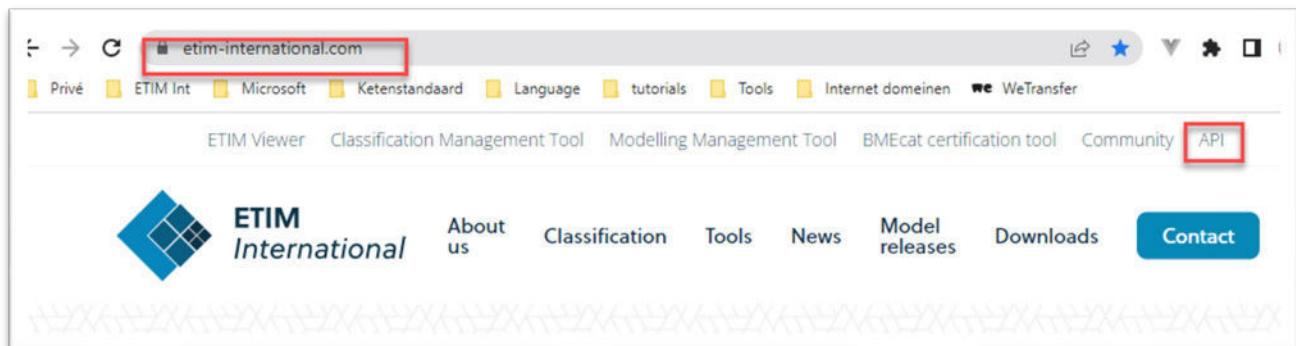
1.1. Prerequisites

We assume that you already have experience with Postman and API implementations in general.

This manual has been written, assuming that you already have client credentials for the ETIM API. If you need credentials, contact the office of the local ETIM country member.

This manual has been written based on the Postman version v10.9.4.

2. Where to find information on API usage





← → C etimapi.etim-international.com

Privé ETIM Int Microsoft Ketenstandaard Language tutorials Tools Internet domeinen WeTransfer

ETIMAPI

ETIM International Webservices



General info

ETIM API offers you the latest and the greatest of ETIM data.

The ETIM API offers you the JSON services of the ETIM classification system.



Documentation

ETIM API Documentation

The documentation of the ETIM API is based on swagger.

[VIEW API DOCUMENTATION...](#)



OAuth2

OAuth2 is used for authorization of the services.

For authorization of the services, OAuth2 is used. This is a token based authentication. To use the services from your application (server-to-server), you will need a client_id/client_secret.

No client_id yet? Request a client_id/client_secret!

[REQUEST A CLIENT_ID/CLIENT_SECRET!](#)



Test client

To see the services in action use our test client.

To test our webservices we found it very convenient to use the multiplatform tool VS CODE together with the REST Client extension. We made the code for testing the services publicly available, so you can have a head start.

[GET THE ETIM API REST CLIENT](#)



The screenshot shows the ETIM API documentation page. At the top, there's a navigation bar with links for 'Privé', 'ETIM Int', 'Microsoft', 'Ketenstandaard', 'Language', 'tutorials', and 'toc'. Below that is a header with the 'Swagger' logo and the text 'Supported by SMARTBEAR'. The main title is 'ETIM API 2.0 OAS3'. A red box highlights the URL 'etimapi.etim-international.com/swagger/index.html'. A red arrow points from this box to a red box around the URL '/swagger/v2/swagger.json' in the address bar. Another red box highlights the text 'Extra documentation and testclient' next to a link. A 'Close' button is at the bottom left.

The screenshot shows the Swagger JSON endpoint. The address bar has a red box around 'etimapi.etim-international.com/swagger/v2/swagger.json'. The page content displays the OpenAPI specification JSON. A portion of the JSON is shown below:

```
[{"openapi": "3.0.1", "info": {"title": "ETIM API", "description": "ETIM International webservices.\n\n[Extra documentation and testclient/src/master/]"}, "contact": {"name": "ETIM International", "email": "info@etim-international.com"}]
```



3. Set up a new collection in Postman

The screenshot shows the Postman workspace interface. At the top, there are navigation tabs: Home, Workspaces, API Network, and Explore. Below these are buttons for New, Import (which is highlighted with a red box and a red arrow pointing to it), Release Notes, and other options. The main area displays a placeholder for APIs, featuring a cartoon character holding a tablet and the text "No APIs yet". A descriptive message below says, "APIs define related collections and environments under a consistent schema." At the bottom, there is a "Create an API" button.

The screenshot shows the "Import" dialog box in Postman. At the top, there are tabs: File, Folder, Link (which is highlighted with a red box and a red arrow pointing to it), Raw text, Code repository, New, and API Gateway. Below the tabs is a text input field labeled "Enter a URL" containing the URL "https://etimapi.etim-international.com/swagger/v2/swagger.json". At the bottom of the dialog is a large orange "Continue" button.



Import Elements

Search files and folders

APIs		API type
<input checked="" type="checkbox"/>	API name	
<input checked="" type="checkbox"/>	ETIM API	OpenAPI 3.0

Show Import Settings

Import **Cancel**

Import Elements

Search files and folders

APIs		API type
<input checked="" type="checkbox"/>	API name	
<input checked="" type="checkbox"/>	ETIM API	OpenAPI 3.0

Hide Import Settings

Settings for collections generated from OpenAPI/Swagger files

Copy collections to workspace

If turned "ON" a copy of collections linked to the API will be available in your workspace as independent elements.

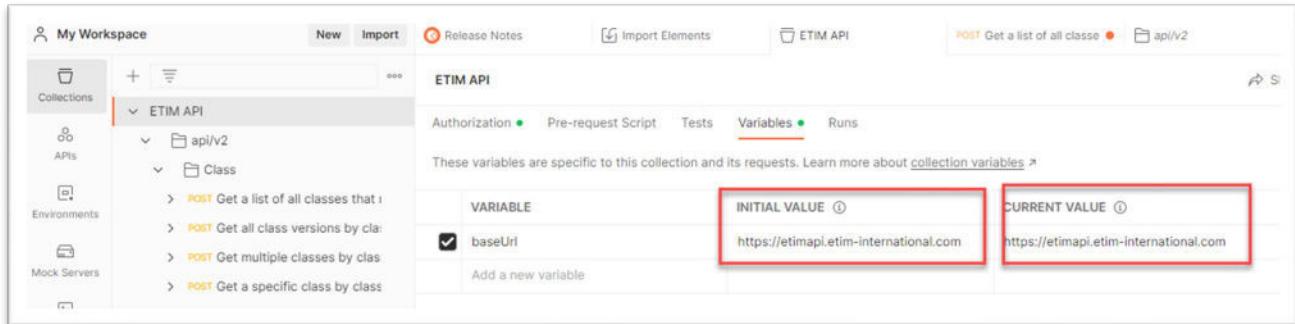
Import complete

2 out of 2 elements were imported.

- ✓ ETIM API · OpenAPI 3.0 · Definition
- ✓ ETIM API · Postman Collection v2.1

Import **Cancel**

4. Adjust the baseUrl variable

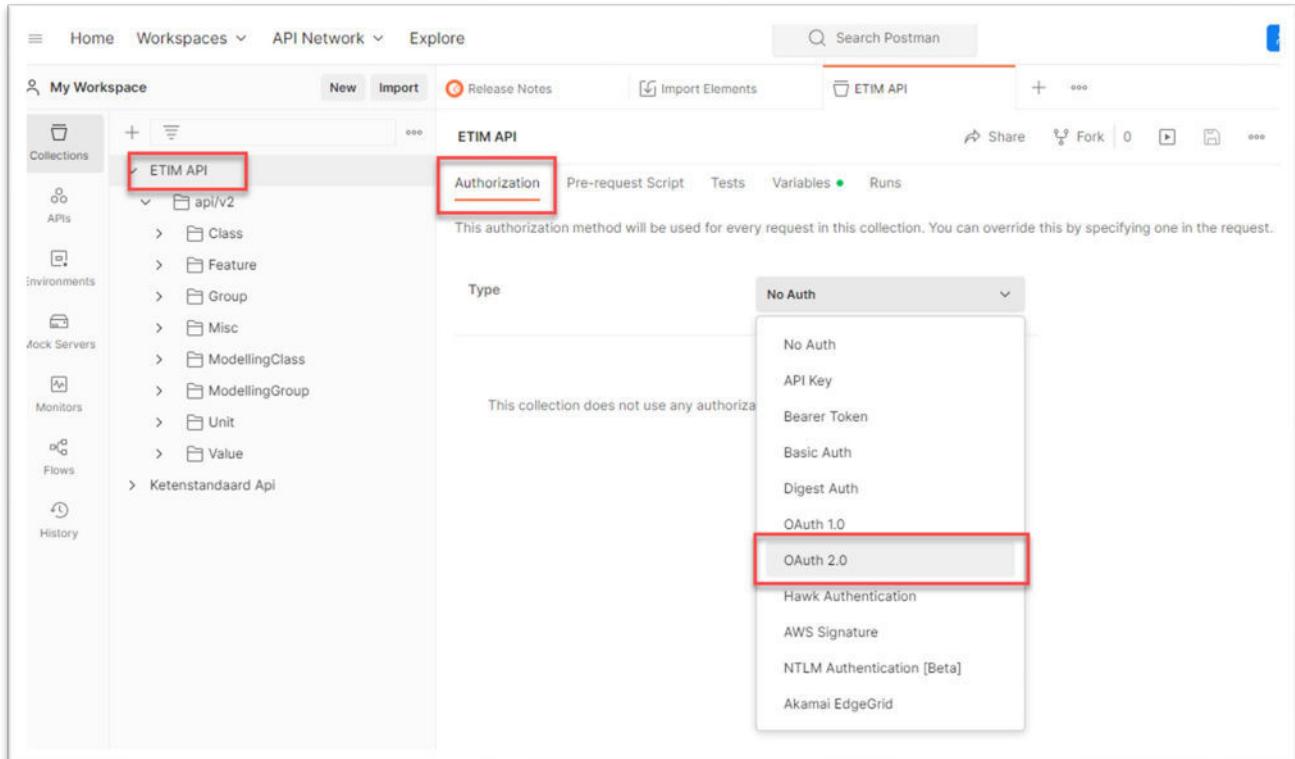


The screenshot shows the 'Variables' tab in a Postman collection named 'ETIM API'. A variable named 'baseUrl' is listed with its initial value set to <https://etimapi.etim-international.com>. The current value is also <https://etimapi.etim-international.com>. Both the 'INITIAL VALUE' and 'CURRENT VALUE' fields are highlighted with red boxes.

INITIAL VALUE = <https://etimapi.etim-international.com>

CURRENT VALUE = <https://etimapi.etim-international.com>

5. Setting up authentication in Postman



The screenshot shows the 'Authorization' tab in a Postman collection named 'ETIM API'. A dropdown menu is open under the 'Type' section, showing various authentication methods. The 'OAuth 2.0' option is highlighted with a red box.



ETIM API ⚡ 🌐

Share ⚙️

Authorization • Pre-request Script Tests Variables • Runs

This authorization method will be used for every request in this collection. You can override this in individual requests.

Type OAuth 2.0

The authorization data will be automatically generated when you send the request. Learn more about [authorization](#) ↗

Add auth data to Request Headers

ⓘ Heads up! These parameters hold sensitive data. To keep this data secure X



Configure New Token

Configuration Options Advanced Options

Token Name

Grant Type Authorization Code

Authorization Code

Authorization Code (With PKCE)

Implicit

Password Credentials

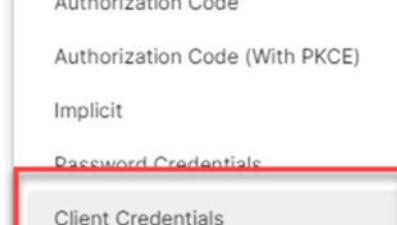
Client Credentials

Callback URL ⓘ

Auth URL ⓘ

Access Token URL ⓘ

Client ID ⓘ





Configure New Token

Configuration Options ● Advanced Options

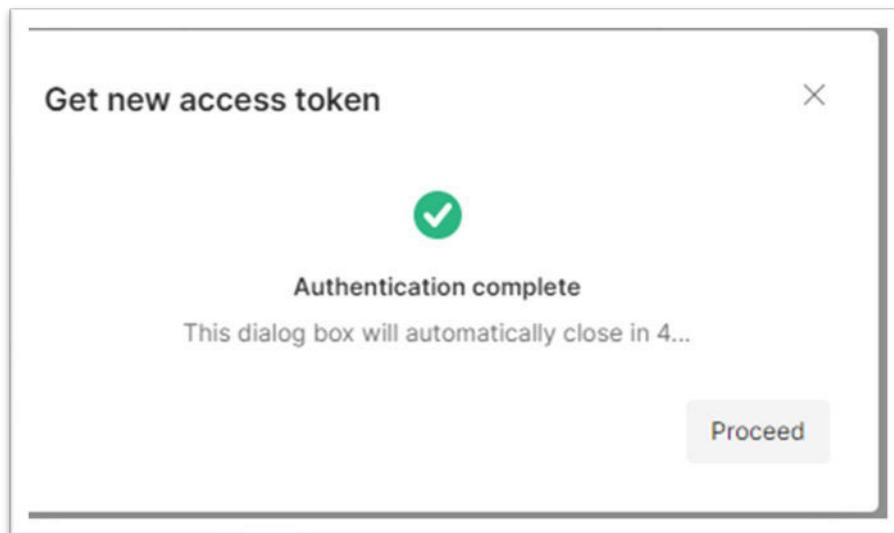
Token Name	EtimToken
Grant Type	Client Credentials
Access Token URL ⓘ	<input type="text" value="https://etimauth.etim-international.c..."/>
Client ID ⓘ	<input type="text" value="xxxxxxxx"/> ⚠
Client Secret ⓘ	<input type="text" value="xxxxxxxx"/> ⚠
Scope ⓘ	EtimApi
Client Authentication	Send as Basic Auth header

Clear cookies ⓘ

Get New Access Token ←

ACCESS TOKEN = <https://etimauth.etim-international.com/connect/token>

SCOPE = EtimApi (also fill in your Client ID and Client Secret here)





This authorization method will be used for every request in this collection. You can override this by specifying one in the request.

MANAGE ACCESS TOKENS

All Tokens	Delete	Token Details	Use Token
Ketenstandaard Token			
ETIMToken		Token Name: EtimToken	
EtimToken		Access Token: eyJhbGciOiJSUzI1NilsImtpZCI6IkE4M0EyMTZDRTFCN0YxQUMzRTkzNkM2Qjc1MkE0MkQ4QUE0QjE4NkZSUzI1NilsInR5cCl6ImF0K2p3dCIsIng1dCl6InFEb2hiT0czOGF3LWsyeHJkU3BDMktwTEdHOCJ9eyJmYiOjE2NzYyMDkxMTMsImV4cCI6MTY3NjlxMjcxMywiaXNzIjoiaHR0cHM6Ly9ldGltYXV0aC5IdGtLWludGVybmF0aW9uYWwuY29tliwiYXVkljoiRXRpUFwaSlsImNsawWudF9pZCI6ImJ1aWxkaW5nc21hcnRfaW50liwiY2xpZW50X2xhbmduYWdIjpblkVOliwibmwtQkUiLCJmcI1CRSlsmZpLUZJliwiZGUtREUILCpdC1JVCIsIm5iLU5Pl0slmp0aSl6ljkyMUewRkZFM0Y5NDUzNEQ5MTFEMjIDNUUwRjc5MOFEliwiaWF0ljoxNjc2MjA5MTEzLCJzY29wZSI6WyJFdGltQXBplI19.jWdmcssp9wGiEkLY5D4MrLuWdViBFRsWnP-6QeCYVjau8OfT-H6jrHU K7-rD0mqxImxcSGqDeioXHpdjkX3SLh2veR8MHA0JbkXCu4oQqYcWEzII3KHUJTXWj0VuyfSdbUdm6LHEI8WFewzbiFNHRaF-9VvzUkdslCtMgu5uHjPsI1jDtGAwRZPKhDtJxz9d22y-xcwbpTkkLBdbEYsTn	
EtimToken			
EtimToken			

6. Adjust example request bodies

ETIM API 2.0 OAS3

/swagger/v2/swagger.json

ETIM International webservices. - [Extra documentation and testclient](#)

Contact ETIM International

3xt / ETIM_Public

EtimApi REST Client

Clone

master ▾ Files ▾ Filter files

/

Name	Size	Last commit	Message
v1.0		2020-02-28	EtimApi_2.0.0
v2.0		2022-12-01	Modelling service --> ProductClass Filter
.gitignore	256 B	2021-04-21	url and client_id from settings.json
README.md	2.04 KB	2022-10-11	baseUrl change scope via variable

Clone, or click on the v2.0 folder.

3xt / ETIM_Public / EtimApi REST Client

v2.0

Check out

master ▾ Files ▾ Filter files

etimapi-rest-client / v2.0

Name	Size	Last commit	Message
Class.http	4.87 KB	2022-10-11	baseUrl change scope via variable
Feature.http	3.34 KB	2022-10-11	baseUrl change scope via variable
Group.http	2.58 KB	2022-10-11	baseUrl change scope via variable
ModellingClass.http	4.64 KB	2022-12-01	Modelling service --> ProductClass Filter
ModellingGroup.http	2.64 KB	2022-10-11	baseUrl change scope via variable
Unit.http	2.93 KB	2022-10-11	baseUrl change scope via variable
Value.http	2.94 KB	2022-10-11	baseUrl change scope via variable



Class.http

Source ▾ ⌂ master ▾ ⌂ 49133f4 ▾ Full commit

```
etimapi-rest-client / v2.0 / Class.http
```

```
12
13
14    ###
15    # Return all classes with minimal details
16    # with 100 items per request starting at 0
17    POST {{baseUrl}}/api/v2.0/Class/Search HTTP/1.1
18    Content-Type: application/json
19    Authorization: Bearer {{ClientCredentialsGrant.response.body.$access_token}}
20
21    {
22        "From": 0,
23        "Size": 100,
24        "Languagecode": "nl-NL"
25    }
26
27    ###
28    # Return all regular classes (without modelling classes) within the DYNAMIC Release with minima
29    # with 100 items per request starting at 0
```

Copy ←

The screenshot shows the Postman interface. On the left, the 'ETIM API' collection is expanded, showing the 'api/v2' folder, which contains the 'Class' folder. Inside 'Class', there are several items: 'POST Get a list of all classes that meet the input filters.', 'POST Get all class versions by class code .', 'POST Get multiple classes by class code and version.', 'POST Get a specific class by class code and version.', 'POST Get a specific class by class code and release.', and 'POST Get a specific class by class code and version, and sh...'. The first item is highlighted with a red box and has a red arrow pointing from it to the 'Body' tab of the request screen. The 'Body' tab shows a JSON payload with a red box around it, labeled 'PASTE'. On the right, the request details are shown: method 'POST', URL '({{baseUrl}})/api/v2/Class/Search', Headers (11), Body (raw), and a preview of the JSON body.

```
1  "from": 2866,
2  "languagecode": "sed esse",
3  "size": 913,
4  "searchString": "ex",
5  "deprecated": false,
6  "modelling": true,
7  "include": {
8      "descriptions": true,
9      "translations": true,
10     "fields": [
11         "eiusmod laborum culpa quis",
12     ]
13 }
```

PASTE



POST {{baseUrl}}/api/v2/Class / Get a list of all classes that meet the input filters.

Params Authorization Headers (11) Body Pre-request Script Tests Settings Cookies Beautify

Body (JSON)

```
1
2
3   "From": 0,
4   "Size": 100,
5   "Languagecode": "EN" ← change to "EN"
```

Body Cookies Headers (5) Test Results

Pretty Raw Preview Visualize JSON ↻

```
1
2   "total": 19730,
3   "classes": [
4     {
5       "code": "EC000001",
6       "version": 4,
7       "name": "Electrical
8       "description": "Electrical components and equipment
9       "category": "Electrical
10      "subcategory": "Electrical
11      "parent": null
12      "order": 1
13      "status": "Active"
14      "created_at": "2023-01-01T00:00:00Z"
15      "updated_at": "2023-01-01T00:00:00Z"
16    }
17  ]
18 }
```

Status: 200 OK Time: 1769 ms Size: 152.18 KB Save Response ↻

This is what the results look like