



ETIM
International

The international classification
standard for technical products



Testing the ETIM API in Postman

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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.

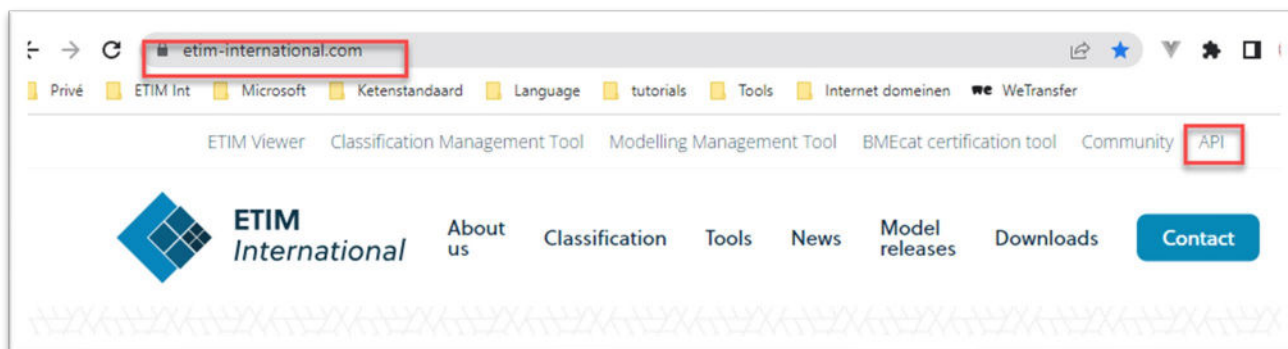
1.1. Prerequisites

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





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...](#)

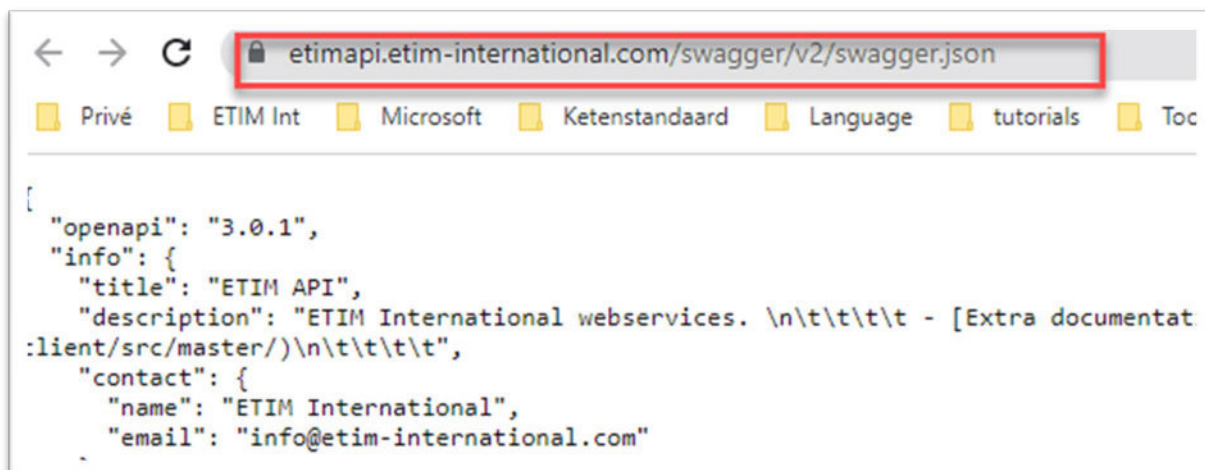
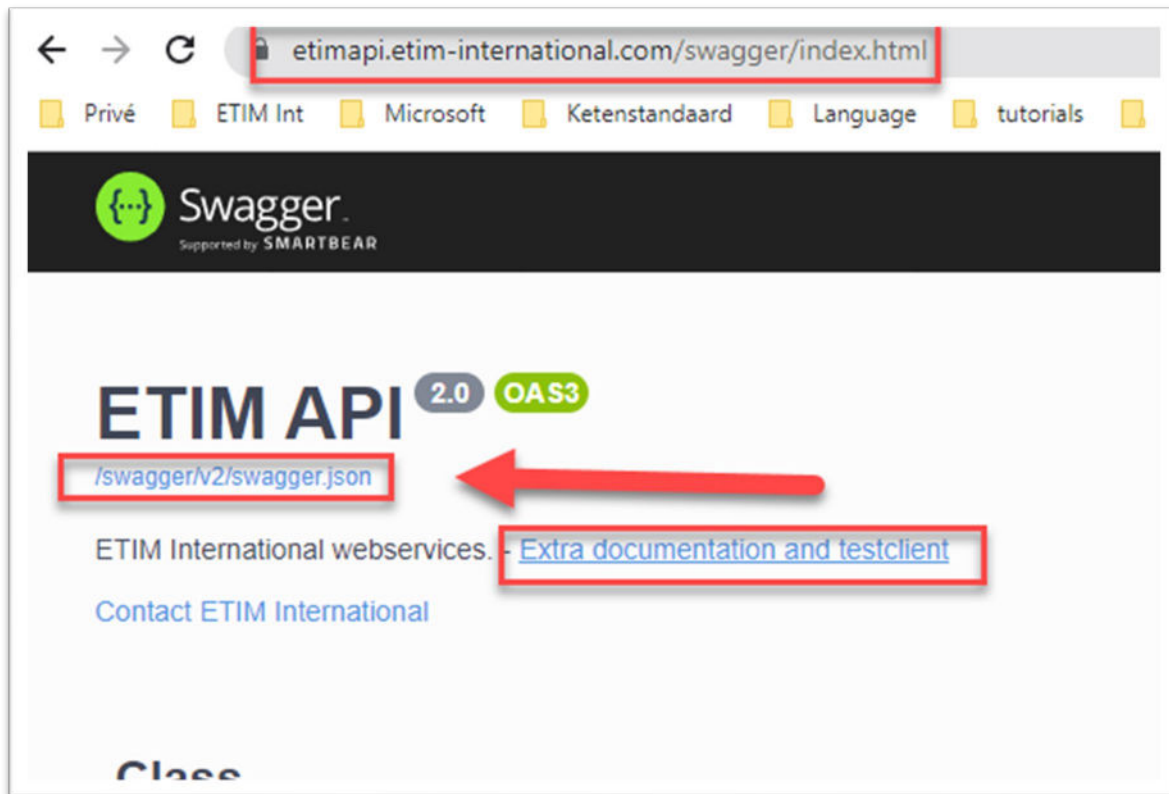
OAuth2
OAuth2 is used for authorization of the services.

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!](#)

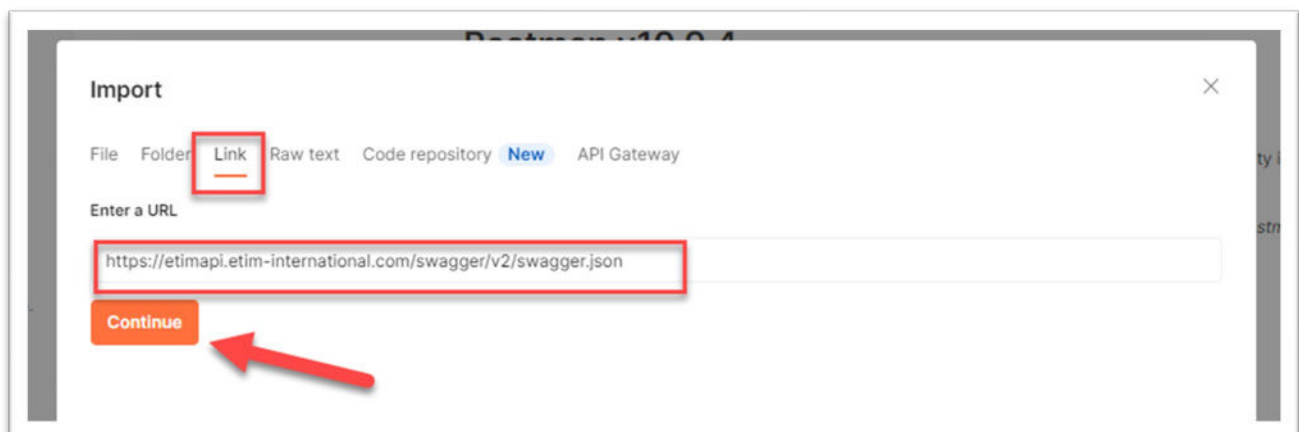
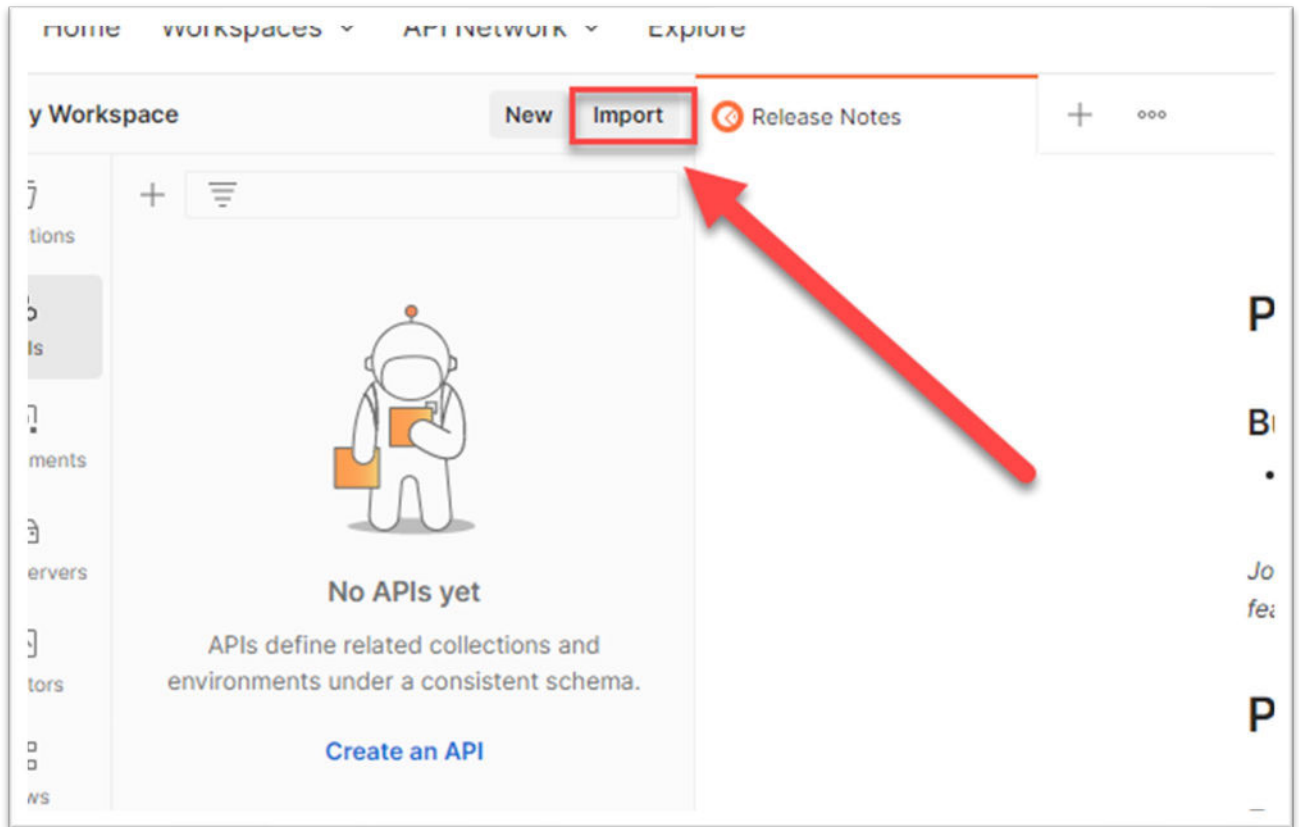
Test client
To see the services in action use our test client

To test our webservices we found it very convenient to use the multiplatform tool VSCODE 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](#)





3. Set up a new collection in Postman





Import Elements

APIs

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

> Show Import Settings

Import

Cancel

Import Elements

APIs

<input checked="" type="checkbox"/>	API name	API type
<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

Cancel

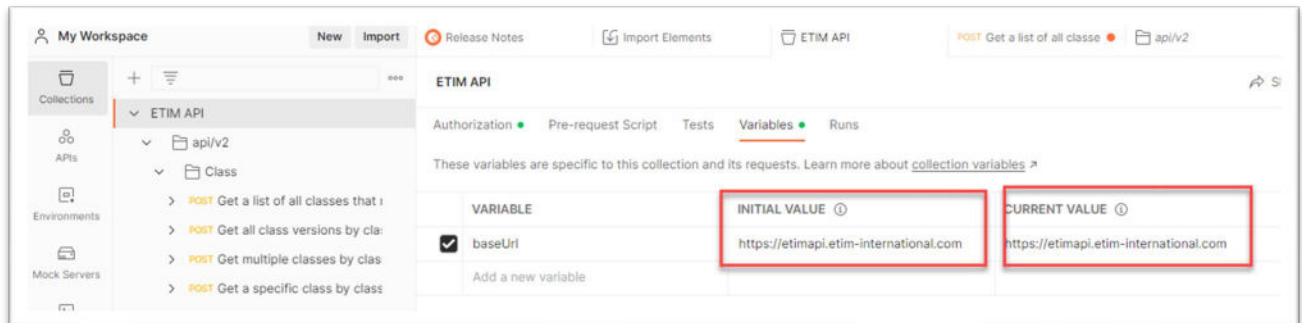
Import complete

2 out of 2 elements were imported.

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

Testing the ETIM API in Postman ♦ status: Published ♦ published: 10/02/2023 ♦ Page 7 of 14

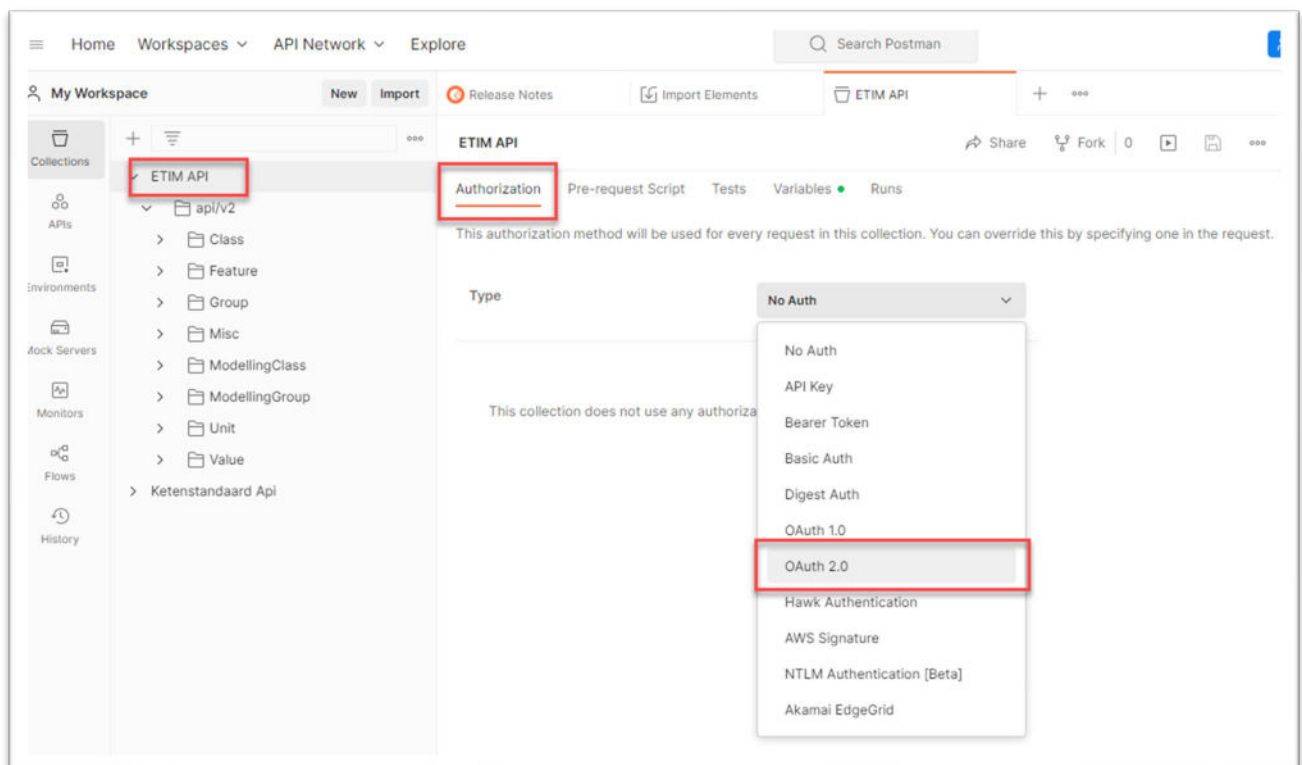
4. Adjust the baseUrl variable



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

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

5. Setting up authentication in Postman





ETIM API

Authorization Pre-request Script Tests Variables Runs

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

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



Configure New Token

Configuration Options Advanced Options

Token Name Enter a token name...

Grant Type Authorization Code

Callback URL

Auth URL

Access Token URL

Client ID

Authorization Code

Authorization Code (With PKCE)

Implicit

Password Credentials

Client Credentials

Client ID



Configure New Token

Configuration Options ● Advanced Options

Token Name

EtimToken

Grant Type

Client Credentials

Access Token URL ⓘ

https://etimauth.etim-international.c ...

Client ID ⓘ

xxxxxxxxxx ⓘ

Client Secret ⓘ

xxxxxxxxxx ⓘ

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)

Get new access token

✕

✓

Authentication complete

This dialog box will automatically close in 4...

Proceed



6. Adjust example request bodies





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



3xt / ETIM_Public / EtimApi REST Client

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' folder is expanded, showing the 'api/v2' folder, which contains the 'Class' folder. The 'Class' folder is expanded, and the 'POST Get a list of all classes that meet the input filters.' endpoint is selected. On the right, the 'Body' tab is active, showing the request body in JSON format. The body is highlighted with a red box, and a red arrow points to it with the word 'PASTE' written next to it. The body contains the following JSON:

```
{
  "from": 2866,
  "languagecode": "sed-esse",
  "size": 913,
  "searchString": "ex",
  "deprecated": false,
  "modelling": true,
  "include": {
    "descriptions": true,
    "translations": true,
    "fields": [
      "eiusmod laborum culpa quis",
    ]
  }
}
```



POST `{{baseUrl}}/api/v2/Class/Search`

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

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "From": 0,
3   "Size": 100,
4   "Languagecode": "EN"
5 }
6
```

change to "EN"

Body Cookies Headers (5) Test Results Status: 200 OK Time: 1769 ms Size: 152.18 KB Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   "total": 19730,
3   "classes": [
4     {
5       "code": "EC000001",
6       "version": 4,
7       "name": "..."
8     }
9   ]
10 }
```

This is what the results look like