How to test using Postman

This guide will show how to interact with the API using the API tool Postman.

Create a new Collection

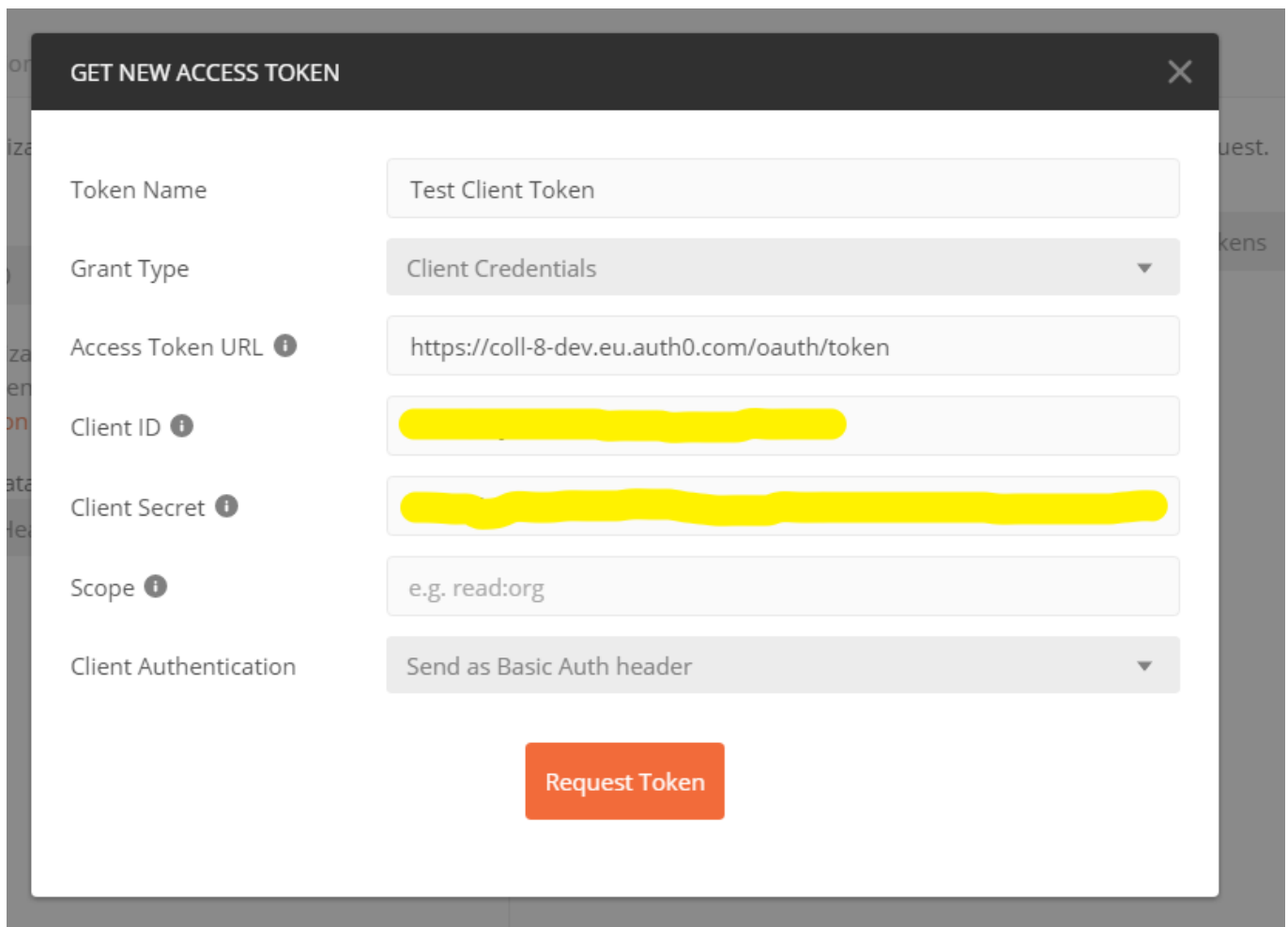### 1. Select "New" > "Collection"

The API will use collection variables to set base URLs and Tokens.

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2. Skip Authorization when creating a new collection

The Ship API uses OAuth 2.0. We also delegate permissions to clients based on intended API calls (audience in OAuth).

In the diagram below, in Postman, you cannot set the `audience` parameter.

There is a work around later in this walk through .

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3. Set Base URL

Enter the base URL for your testing. In this case the URL is set to **https://ship-api-uat.drop2shop.ie/api**.

EDIT COLLECTION   ✕

Name

Coll8 Ship API UAT

Description   Authorization   Pre-request Scripts   Tests   Variables ●

These variables are specific to this collection and its requests. Learn more about collection variables.

	VARIABLE	INITIAL VALUE ⓘ	CURRENT VALUE ⓘ	•••	Persist All	Reset All
☑	base_url	·https://ship-api-uat.drop2·	·https://ship-api-uat.drop2shop.ie/api			

4. Get a new Token

Create a request for retrieving a new token. The request will have the following required parameters...

```
{
  "client_id": "...",        // the supplied client id
  "client_secret": "...",    // the supplied client secret
  "audience": "...",         // the API endpoint you wish to get a token for
  "grant_type": "..."        // in this instance, always "client_credentials"
}
```

This request will retrieve an Access Token which you can use then to call the API.

▸ Get New Token   💬 Comments 0   Examples 0 ▾

| POST ▾ | https://coll-8-dev.eu.auth0.com/oauth/token | | Send ▾ | Save ▾ |

Params   Authorization   Headers (9)   Body ●   Pre-request Script   Tests   Settings   Cookies Code

● none ● form-data ● x-www-form-urlencoded ● raw ● binary ● GraphQL   JSON ▾   Beautify

```
1  {
2      "client_id": "                              ",
3      "client_secret": "                                    ",
4      "audience": "https://api.drop2shop.ie",
5      "grant_type": "client_credentials"
6  }
```

Body Cookies (2) Headers (19) Test Results   Status: 200 OK   Time: 298 ms   Size: 1.44 KB   Save Response ▾

Pretty   Raw   Preview   Visualize   JSON ▾

```
1  {
2      "access_token": "eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6Ik1UazNPREF6TkRRelJqUXpOamRFTkVaQk9UazRORFJCTnpVeU56RkRSVUkwTTBJMk56STJSZyJ9.
       eyJpc3MiOiJodHRwczovL2NvbGwtOC1kZXYuZXUuYXV0aDAuY29tLyIsInN1YiI6Ikk1QmZOTzZKeDJQelhOb1NlWEJNQTdaMmhVU25sdzlMQGNsaWVudHMiLCJhdWQiOiJodHRwczovL2FwaS5kcm9wMnNob3AuaWUiLCJpYXQiOjE1OTM1MzA
       xNDAsImV4cCI6MTU5MzYxNjU0MCwiYXpwIjoiSTVCZk5PNkp4MnR6WE5vU2VYQk1BN1oyaFVTbmx3OUwiLCJndHkiOiJjbGllbnQtY3JlZGVudGlhbHMiLCJwZXJtaXNzaW9ucyI6W119.
       KQNIjDUV3jUb2NX4476yFb8IH3eRskNiuHlKDZZnHddna9kVXlUFu1pEfoRJephysKQO0FVbcI5gkwSfM5RH-d1bLafjZXSiUcby1lecS5ocQgNPI2coOvgXw2GmGNQ7cVV4CFG7ZBALj2fN6xXtnkO81a7LxViZSICVJ66YnhnHrmFlm1hcgKL
       ga6zyhjY2WofRBtLMvp7Ey_zZyy34VSRH6K0mkyPIFVtNP9sqGp45meW_SnwagxMl6nb2nRzPu9nHVj3CZstCUebceLNKY-d7NdWL7_QBrKkWa0wKHP30R4XHccL3IPFHpx1OUfM4vx4LarMvG3N1i4tBmfdZPA",
3      "expires_in": 86400,
4      "token_type": "Bearer"
5  }
```

5. Update token variable

Tokens, for this instance, last 10 hours. So it's a good idea to set the token in a collection variable.

Click "Edit" on the collection and go to the variables tab

6. Test Ping

There is an endpoint for testing you can communicate with the API.
It's a Ping endpoint which responds to **POST** requests.

- Set {{base_url}} parameter in the url along with `/ping`
- Add Authorization Header set to `Bearer {{token}}`
- Click "Send"