Get Token for Ship API

The Ship API uses OAuth 2.0 to authenticate and authorize requests.

For Machine to Machine communication we use the Client Credentials authentication Flow.

The API/Application that is requesting access to the Ship API will have to require a token first then set it as an Authorization Header.

Note:

> Tokens will expire after 10 hours for this authorization flow.
> New tokens should be requested just before the 10 hours period expires
> or when a 401 is returned by the Coll-8 Ship Api.

[To see how this is completed using Postman click here](#)

Get a Token

To get a token send a Post Request to the valid authorization endpoint. The following example gets a token from our Development Auth server with our Test Client

Client Id - this is the client Id unique to each API consumer.
Client Secret - The secret used to validate against the client.
Audience - The API endpoint you are requesting access to.
Grant Type - The type of grant request. For Machine to Machine this will be `client_credentials`

```
POST https://coll-8-dev.eu.auth0.com/oauth/token
Content-Type: application/json

{
    "client_id": "<your client id>",
    "client_secret": "<your client secret>",
    "audience": "https://api.drop2shop.ie",
    "grant_type": "client_credentials"
}
```

Inspect result

Below is a sample result with the properties explained

Access Token - the token you need to pass as an authorization header to access the API.
Expires in - when the current token will expire in seconds (10 hours).
Token Type - the type of token returned. All tokens for the Ship API will be Bearer.

```
{
  "access_token":
"eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6Ik1UazNPREF6TkRRelJqUXpOamRFTkVaQk9Ua
zRORFJCTnpVeU56RkRSVUkwTTBJMk56STJSZyJ9.eyJpc3MiOiJodHRwczovL2NvbGwtOC1kZXYuZXUuYX
V0aDAuY29tLyIsInN1YiI6Ikk1QmZOTzZKeDJ0elhQb1NlWEJNQTdaMmhVU25sZzlMQGNsaWVudHMiLCJh
dWQiOiJodHRwczovL2NvbGwtOC1wb2MuYXp1cmUtYXBpLm5ldC9zaGlwLWFwaSIsImlhdCI6MTU4MzkyOD
g0NywiZXhwIjoxNTg0MDE1MjQ3LCJhenAiOiJJNUJmTk82SngydHpYb04TZVhCTUE3WjJoVVNubHc5TCIs
Imd0eSI6ImNsaWVudC1jcmVkZW50aWFscyIsInBlcm1pc3Npb25zIjpbXX0.m3frWD5nhXcvQ0EpDP00V_
9EMr4TAlFy8ZmrO_qQaHMw9WdDPmaNrxkSwF-Dg6YFN0RscSWXHdPAj-DkhXCUhhbeV-
AI8nPMI7BKWAMLKz0pyh5zSiSubELq8SDGCrZEwkJ_DGYFEIzXhweAWUSD9BgsWw8k1b_ctwIzQHBt3-
691Bf3UM0sCbxEDO-
xDkhiC0uOr7xTLlTxRgXWqtOwlDva3j7IoEDAk2wL84FdT7Ybl1fFoVS2P3PGTHfLmZsD2_8EJDfXN_hUF
lOwVlIBfjTmpIeC1q2PhjJpAf1l3AkRq9zAGp4jrIb0MHe4WaUrnjjTwwPR4td8G9r_NaZSkA",
  "expires_in": 36000,
  "token_type": "Bearer"
}
```

Add Authorization Header

To access the API set an Authorization Header to the value of the token just returned

```
POST https://ship-api-uat.drop2shop.ie/api/ping
Authorization: Bearer
eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6Ik1UazNPREF6TkRRelJqUXpOamRFTkVaQk9Uaz
RORFJCTnpVeU56RkRSVUkwTTBJMk56STJSZyJ9.eyJpc3MiOiJodHRwczovL2NvbGwtOC1kZXYuZXUuYXV
0aDAuY29tLyIsInN1YiI6Ikk1QmZOTzZKeDJ0elhQb1NlWEJNQTdaMmhVU25sZzlMQGNsaWVudHMiLCJhd
WQiOiJodHRwczovL2NvbGwtOC1wb2MuYXp1cmUtYXBpLm5ldC9zaGlwLWFwaSIsImlhdCI6MTU4MzkyODg
0NywiZXhwIjoxNTg0MDE1MjQ3LCJhenAiOiJJNUJmTk82SngydHpYb04TZVhCTUE3WjJoVVNubHc5TCIsI
md0eSI6ImNsaWVudC1jcmVkZW50aWFscyIsInBlcm1pc3Npb25zIjpbXX0.m3frWD5nhXcvQ0EpDP00V_9
EMr4TAlFy8ZmrO_qQaHMw9WdDPmaNrxkSwF-Dg6YFN0RscSWXHdPAj-DkhXCUhhbeV-
AI8nPMI7BKWAMLKz0pyh5zSiSubELq8SDGCrZEwkJ_DGYFEIzXhweAWUSD9BgsWw8k1b_ctwIzQHBt3-
691Bf3UM0sCbxEDO-
xDkhiC0uOr7xTLlTxRgXWqtOwlDva3j7IoEDAk2wL84FdT7Ybl1fFoVS2P3PGTHfLmZsD2_8EJDfXN_hUF
lOwVlIBfjTmpIeC1q2PhjJpAf1l3AkRq9zAGp4jrIb0MHe4WaUrnjjTwwPR4td8G9r_NaZSkA
```