

REST API User Guide

Version 1.0

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API Principles

The Optimum Automotive API is designed to allow authorized third parties to interact with the Optimum Automotive platform in a simple and secure way. The following principles were followed in the development of the API:

- Full REST design: standard HTTP verbs (GET, POST, PUT, DELETE, etc.) and resource identifiers (URI) with standard REST semantics (GET has no side effects, etc.)
- API using standard HTTP response codes and consistent formats
- JSON formatting of all responses
- Available only via HTTPS to protect credentials

Location of the API

The API can be found at: <https://public-api.optimum-automotive.com/>

For the tests, we provide a pre-production environment, on which the data is updated every night with the production data. This environment, to be preferred absolutely on the integration phases, is accessible by the url : <https://apicore-preprod.optimum-automotive.com/>

Authentication

To use the API, you must identify yourself on the identity server to retrieve your token.

Create a POST request on the following url : <https://identityserver.optimum-automotive.com/connect/token>

Add as a parameter to your query :

- `client_id` : *identifier provided by Optimum Automotive*
- `client_secret` : *API password provided by Optimum Automotive*
- `grant_type` : **client_credentials**

You will receive an answer similar to this:

```
{
  "access_token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiNotyEt1dCI6Ikd9S2Vo2SFE4S1M2aXBVWjJ5...",
  "expires_in": 30734400,
  "token_type": "Bearer"
}
```

The test environment is available on the following url : <https://identityserver-preprod.optimum-automotive.com/connect/token>

Using the API

To consult all the available methods and the associated documentation, you can consult the Swagger available on each environment, [by adding swagger/index.html](https://public-api.optimum-automotive.com/swagger/index.html) to the API url (e.g.: <https://public-api.optimum-automotive.com/swagger/index.html>)

For each call, remember to add an "Authorization" header of type "Bearer" with the access_token retrieved during your authentication.