REST API

This page describes the REST APIs of the microservices.

Please, take a look at these interfaces to discover available data objects. We strongly suggest to not inspect the database structures, since there could be different technologies in use and it would break the concept of microservices to directly use the databases of other MS.

If you just want to print a data object that is managed by another microservice, take a look at the widgets documentation. Do not use a REST API to catch the data and implement your own visualization, if there is an usable widget!

Drops

The API is documented as an Open API v3 specification in the swagger.json file that is part of the Drops repository.

The documentation is accessible by processing the RAW document (https://raw.githubusercontent.com/SOTETO/drops/develop/swagger.json) by an Open API documentation renderer, like MrinDoc.

Authentification

Using the REST-API requires to authenticate the caller. First, you have to create a client by using the Drops frontend /arise/#/oauth. There you can add a new OAuth client that will also be used for the purpose of authentication of a REST request. You will have to add an ID, a Secret, a Redirect URL and Grant Types. You can ignore the Redirect URL and the Grant Types. This can be filled later, if you are implementing an OAuth-Handshake.

The values of ID and secret have to be used for the REST authentication. Just add them as values for the query parameter client_id and client_secret. For the example of having created an ID test with a secret test, the following cURL call will return all users, if it is running on localhost:

curl -X POST -H "Content-Type: application/json" -d '{}' "http://localhost/drops/rest/user?client_id=te