

Areacoon Tests documentation

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Requirement

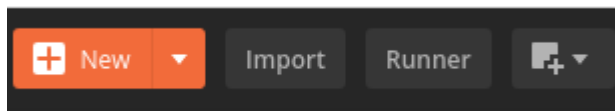
To test the API, you'll need to have a few things in order to be properly ready. You'll need:

- The software Postman
- The Areacoon server set and running (see the user documentation)

You can download the last version of Postman here: <https://www.postman.com/>

Setup

First things first, launch postman. Once you're in For launching your tests you have to clic on the *Import* button on top-left corner and dive into the Test folder then choose the json file found here named *testAPI.postman_collection.json*.



You should now have on the software's left side a new collection. Inside you'll find every functional test for the Areacoon API.

Launch the Areacoon server and you'll be ready for testing.

Testing the API

For testing the API, you first need an account. In the Collection, open “Areacoon create account”. Here, click on the “body” button. You’ll see two parameters. Insert the wanted credentials in the Value zone and press send. If you’ve done it right, you should receive a response from the server in postman. Inside that response there should be a token. Keep it close because it will be used in almost every test.

Now you can open any test you want to try. After choosing a test, go into the Headers zone and replace the value of the token key by: “**token [your token]**”, if needed.

After that, go into the Body zone. You’ll see the content of a json file with the Action and the Reaction (See user documentation for more details about the actions/reactions). You can change the value if you want, be sure to write them right. Once done with the preparation, hit “Send”. The area will be created, and you can then test it.

For testing some services, like *Reddit* or *Github*, you’ll have to generate a code for being able generate you **access tokens**.

Getting your access tokens

The first thing to do is to get the URL in tests named [Service]AuthorizeOauth and copy-paste it on your web browser. Be sure the server is not up !

Then allow the service to log with your account and then get the code at the end of the new generated URL.

Example for Reddit :

`https://areacoon-api.eu.ngrok.io/auth/redirect?state=none&code=B0LkrytMQU5ARL-6IToy-qiu7Rw`

Example for Github :

`https://areacoon-api.eu.ngrok.io/auth/redirect?code=9c12f0a168a5ea4fdead&state=testPostman`

Then use this code in [Service]GetAccessToken tests to get your access token for those services and then use them in each function that need them.

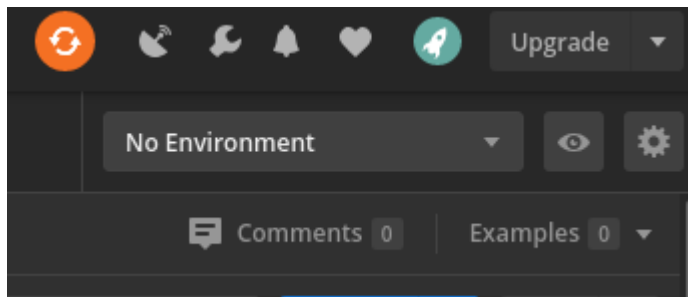
Unit Tests with Postman

Before doing anything, go into the *tests* folder and in *unit tests*.

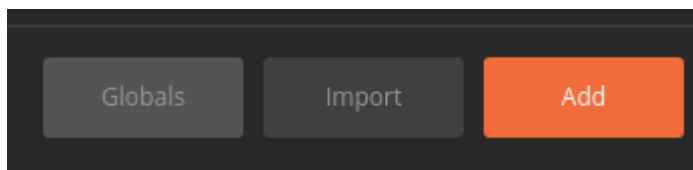
You'll find two files. One for the unit test collection and the other for the environment variables.

Then go into Postman and now you have to import the environment it.

For that clic on the top-right corner gear.

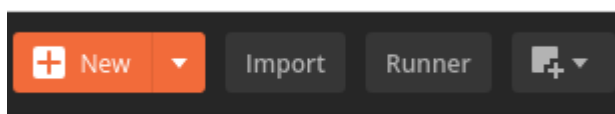


And clic on the import button and select the file named *area.postman_environment.json*.



Then import unit tests like explained on Setup section.

For launching your tests you have to clic on the *Runner* button on top-left corner.



You can now select the collection of unit tests and the area environment.

You also can now choose which test to run. However, be sure to put *create user* or *connect user* first (if you already used the *create user* first) or the other tests won't work.

Don't run *Create user* and *connect user* at the same time or it'll cause problems for the other tests.