Table of Contents

How to use Swagger UI and Postman for BioStar 2 API

Swagger UI

It is a tool which helps test and document ***REST API** easily.

[Request methods for REST API]

Type	Explanation
GET	The GET method requests a representation of the specified resource. Requests using GET should only retrieve data.
POST	The POST method is used to submit an entity to the specified resource.
PUT	The PUT method replaces all current representations of the target resource with the request payload.
DELETE	The DELETE method deletes the specified resource.

We recommend that you should use Local API(after installing BioStar 2 API Server on local PC where BioStar 2 Server is installed). When you send the message to BioStar Server via API, you have to use URL format below:
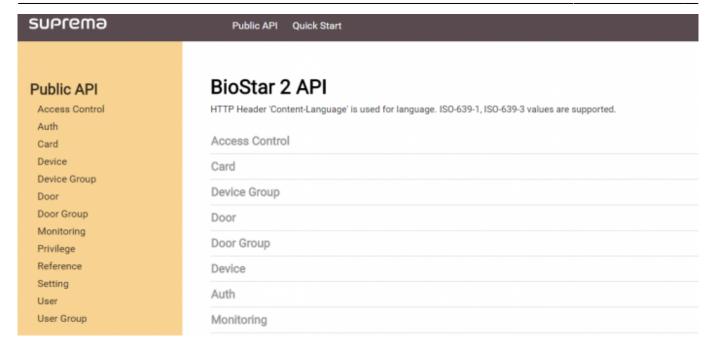http://127.0.0.1:8795/v2/ *[url path displayed API reference]*

The URL is different depending on BioStar 2 version.

- BioStar v2.3 or below (v1 API) - http://127.0.0.1:8790/v1/docs/
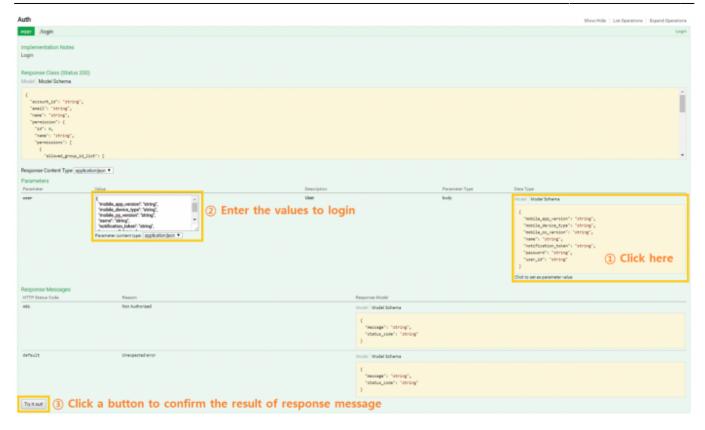- BioStar v2.4 or above (v2 API) - http://127.0.0.1:8795/v2/docs/

We provide the information on BioStar 2 API through the Swagger UI so that you can check kinds of APIs and those model schemas before calling API. Below is an example for the way to utilize this tool by using login API.

How to utilize Swagger UI

- **POST /login API**

1) Click yellow box about **Model Schema** in **Parameters** section. Then, these contents will be copied and pasted into the **Value** (white box) in the same section.
2) Type the values in the white box in order to login to BioStar 2.
3) Click **Try it out** button to check the result about response message.

How to utilize Postman with Swagger UI

Postman is a Chrome App which helps you confirm the result of calling API easily. We recommend you to use it. By using the postman, you can construct complex HTTP requests quickly, organize them in collections and share them with your co-workers. The biggest advantage is that the history you call API is remained.
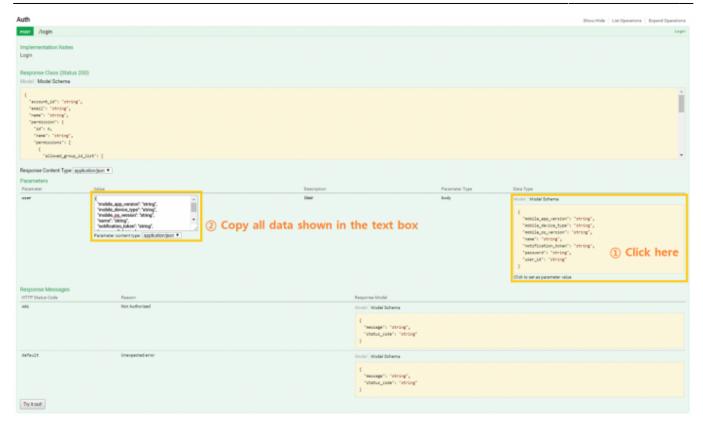
You can download the Postman through the Chrome web store.
https://chrome.google.com/webstore/search/Postman?hl=en
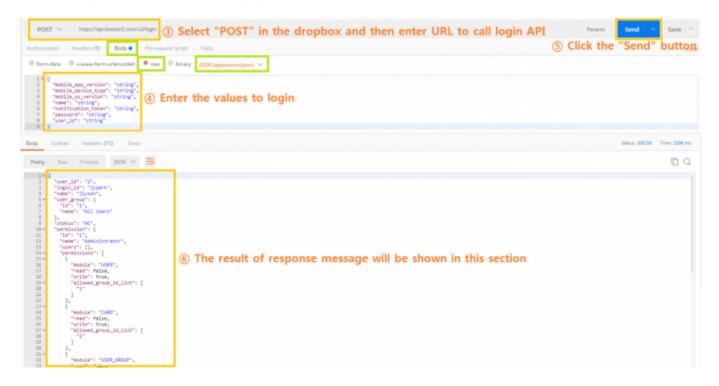
- **POST /login API**

In the Swagger UI ..
1) Click yellow box about **Model Schema** in **Parameters** section. Then, these contents will be copied and pasted into the **Value** (white box) in the same section.
2) Copy all data shown in the white box.

In the Postman ..

3) Select **POST** in the drop box and then enter URL to call login API. In case of Local API, you should enter the URL like "http://127.0.0.1:8795/v2/login"

4) Select **Body – raw – JSON(application/json)** like below green box.

5) Paste the data copied from Swagger UI into the Postman.

6) Click **Send** button.

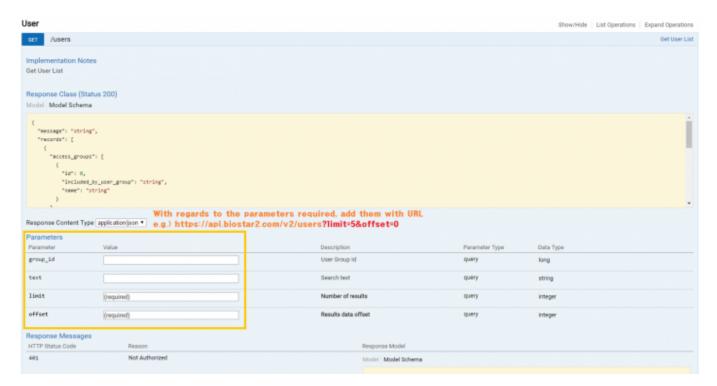7) The response result will be displayed in the bottom of section.

- **GET /login API**

In the Swagger UI ..
1) Check **Parameter** in **Parameters** section. Both limit and offset are mandatory as URL parameters.
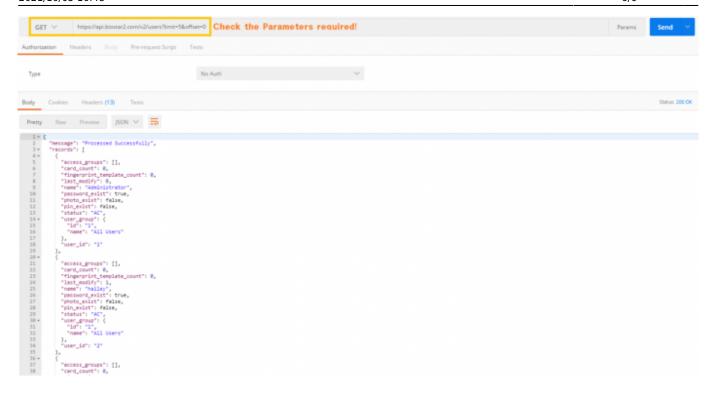

In the Postman ..
2) Select **GET** in the drop box and then enter URL to call login API. In case of GET message, you should use the necessary parameters in the URL. In case of Local API, you should enter the URL like "http://127.0.0.1:8795/v2/users/limit=5&offset=0"

> Please note that there should be no space in the URL

3) Click **Send** button.
4) The response result will be displayed in the bottom of section.

From:
http://kb.supremainc.com/knowledge/ -

Permanent link:
http://kb.supremainc.com/knowledge/doku.php?id=en:how_to_use_swagger_ui_and_postman_for_biostar_2_api&rev=1519691578

Last update: **2018/02/27 09:32**