# 6.8.1 Third Party Testing Approach

This article to propose an approach for 3rd Party Testing to CDCB.

## Get token by Postman

To access the API, the user needs to get a token. After getting the token, we can use that token to test the APIs in Web connect.

### The Swagger API Documentation link

|  |  |
| --- | --- |
| **API Service** | **Links** |
| Web application | <https://40.142.54.172/api/docs> |
| Data Exchange | <https://40.142.54.172/api/data-exchange/docs> |
| ETL process | [https://40.142.54.172/api/etl/docs](https://40.142.54.173/api/etl/docs) |

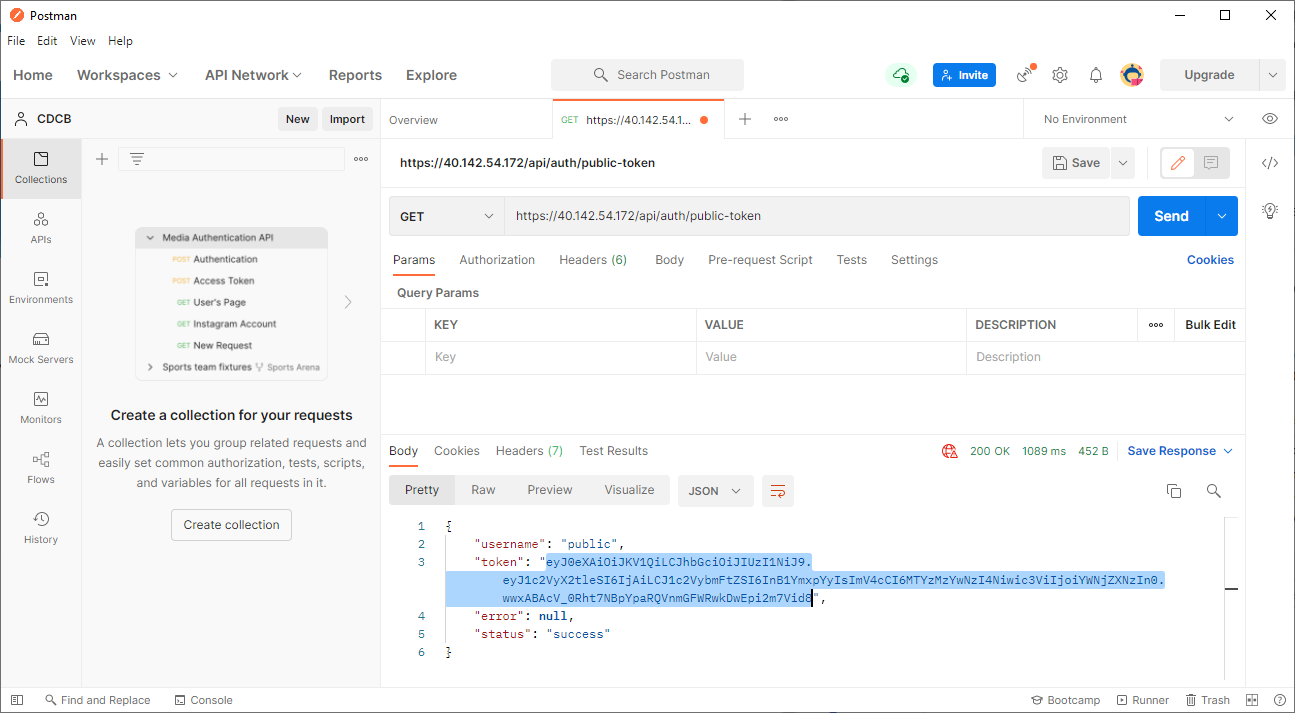
### Account

There’re 2 types of token:

* For Public Users: to APIs in public pages.
* For Register Users: to APIs in pages required logging in.

### Public Users

1. With the Public Users, they need to send a request to api/auth/public-token.



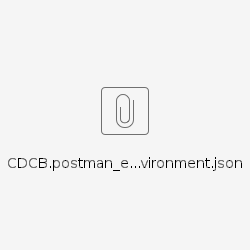
2. The result returns the token, then we can use this token to test the APIs.

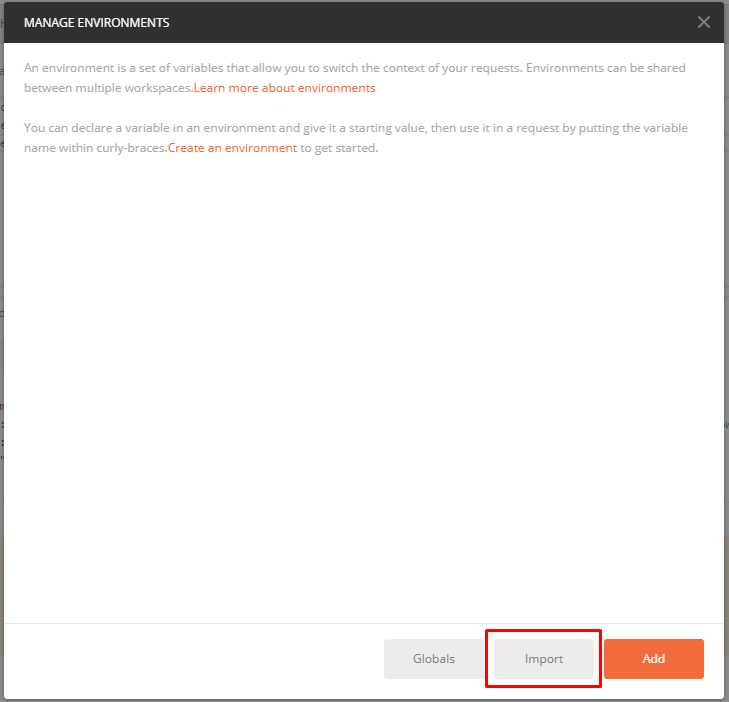
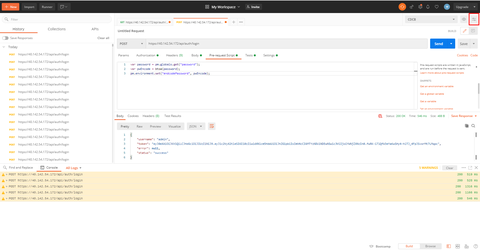
### Registered Users

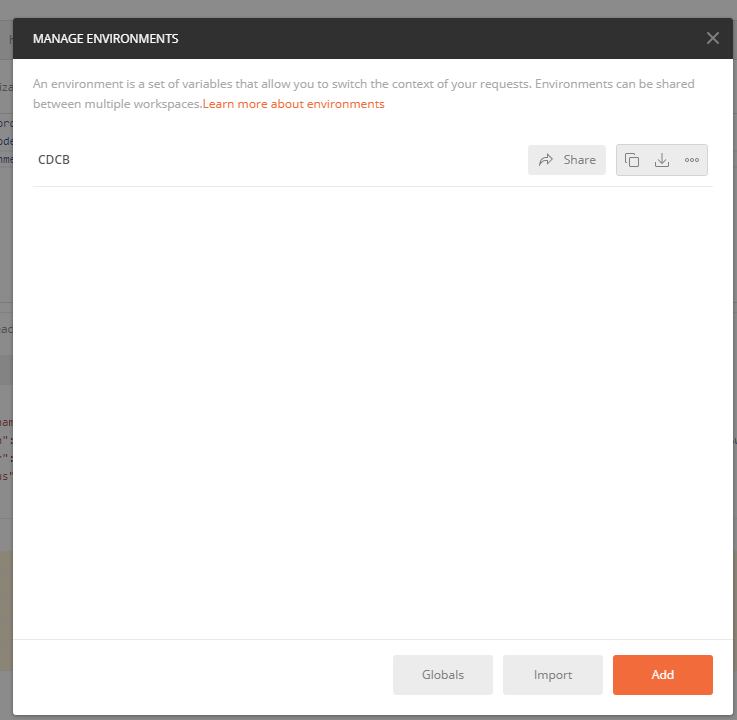
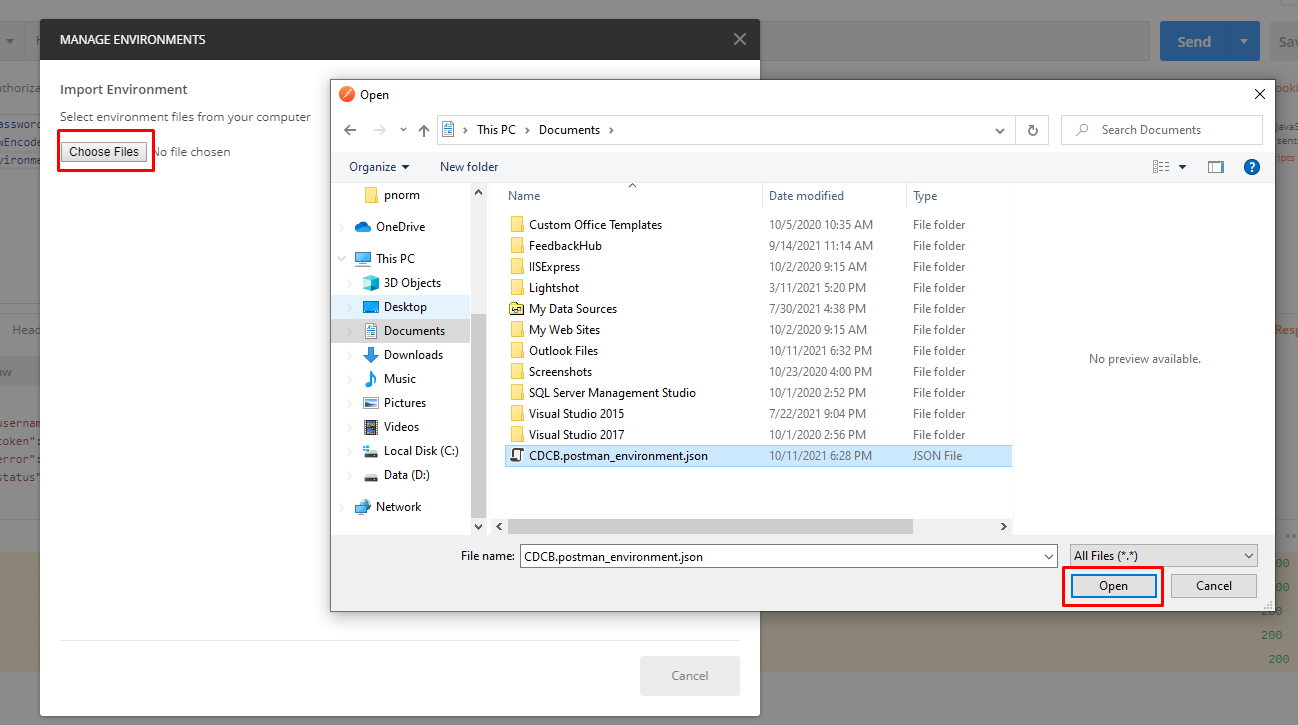
With the Registered Users, they need to send a request to api/auth/login. Before we send a request we need to encode the password by using **Base64**.

Please see example below using **Postman**:

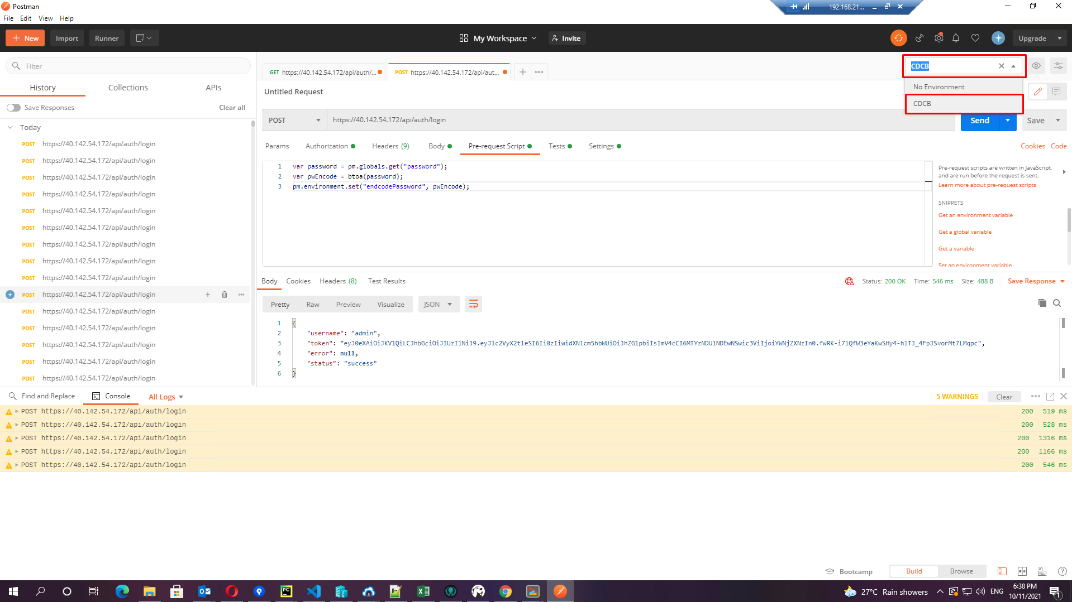
**Step 1**: Import Enviroment CDCB to Postman



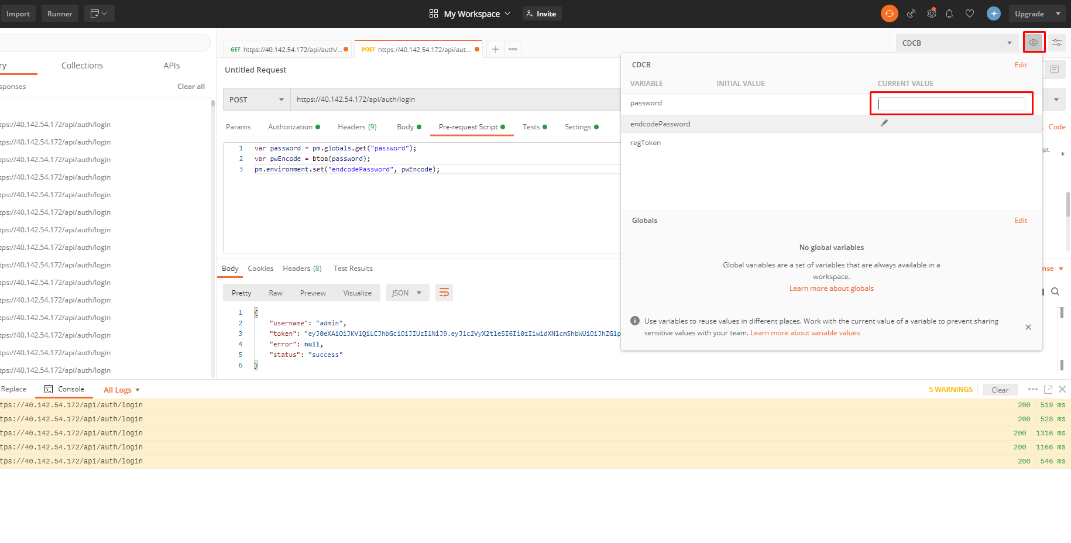




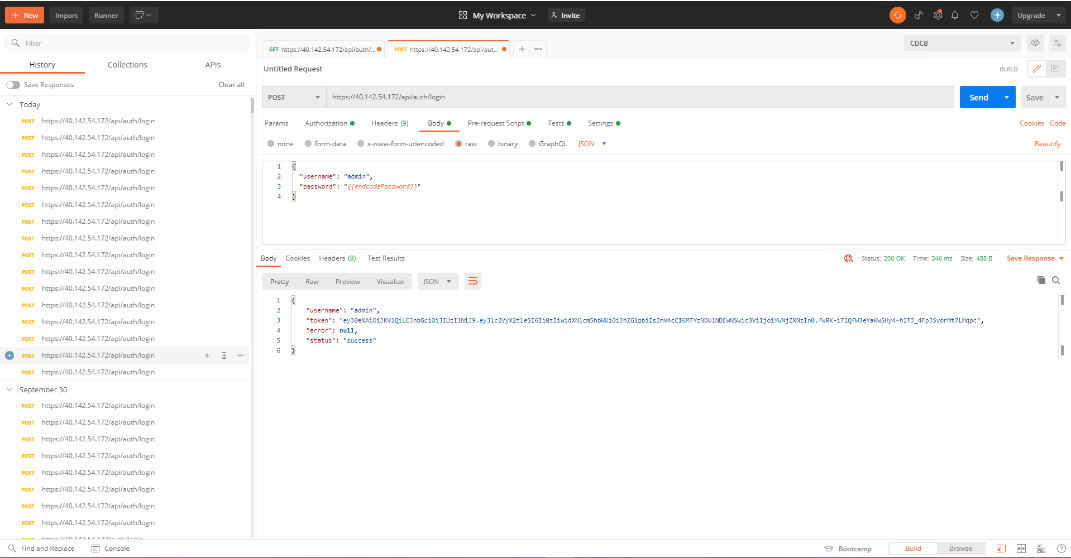
Select CDCB enviroment in dropdown list



Fill out password:



* **Step 2**: Setup login request with **post** method, input {{endcodePassword}} (the variable that defined above) to "password" property:



* **Step 3**: Add tab Pre-request Script, add code encode base64 as below:
* const password = pm.environment.get("password");
* const pwEncode = btoa(password);

pm.environment.set("endcodePassword", pwEncode);



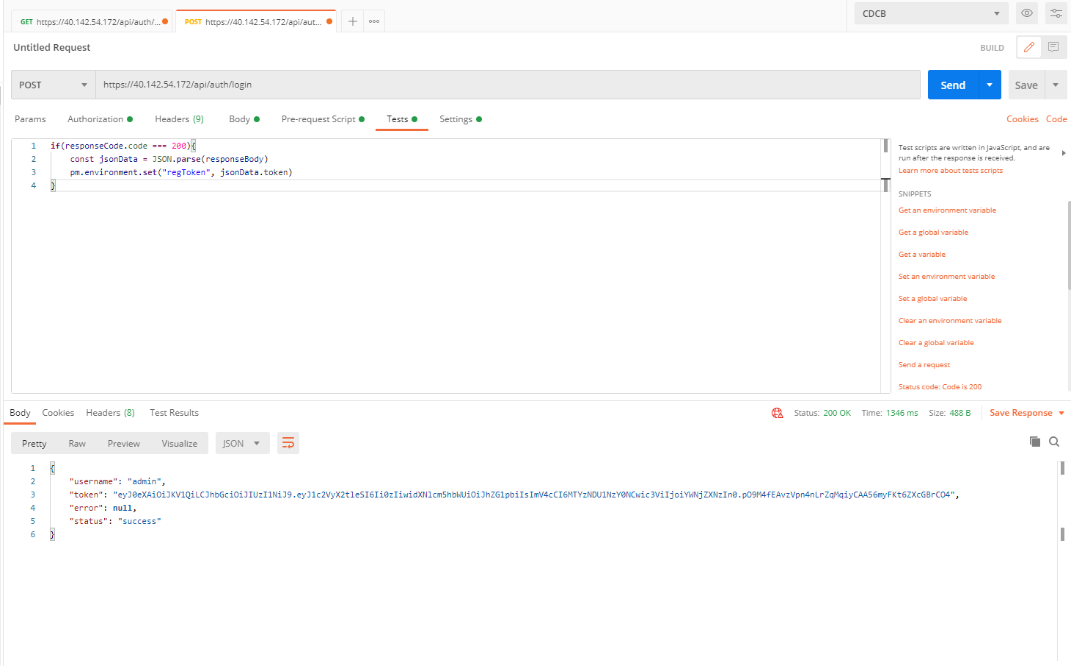
* **Step 4**: Add tab Tests, get response assigned to regToken

if(responseCode.code === 200){

    const jsonData = JSON.parse(responseBody)

    pm.environment.set("regToken", jsonData.token)

}



* **Step 5:** The result returns the token, then we can use this token to test the APIs.

