



XIQ API – Postman Collection Guide

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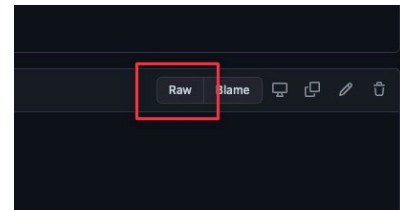
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Introduction

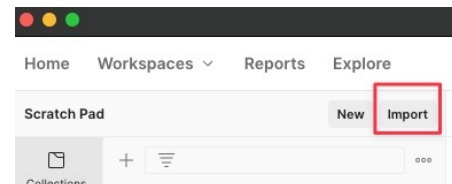
This document covers how to install and use the ExtremeCloudIQ Postman collection and environment files

Postman Preparation

Download the postman collection and environment variables files from the [Extreme Networks GitHub](#) page. In GitHub you can select the file to open it in GitHub and then select the **raw** button. This will allow you to download the file right from the browser. For Mac use cmd+s, for PC use ctrl+s.



To import the files, in Postman click the import button and select your files. Postman will automatically recognize Postman data, confirm the name, format, and what the file will import as. Click Import to bring your data into Postman.



Setup Environment Variables

This Collection leverages Postman Environment variables. In the upper right corner of the Postman app, click the dropdown arrow and select the XIQ Environment that you imported. With that selected, click the “**eye**” icon to the right of the selection box, and click the **edit** button.

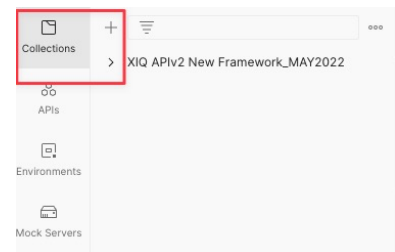
You will then be able to change the “**Current Values**” for any of the variables here. Enter your ExtremeCloudIQ username and password in the current value field and enter the IDs you want to use.

There are multiple IDs available to use. This makes the collection easier to use as you will not have to modify every API call with the device IDs or Network Policy IDs, etc. Instead, you can leverage the environment variables.

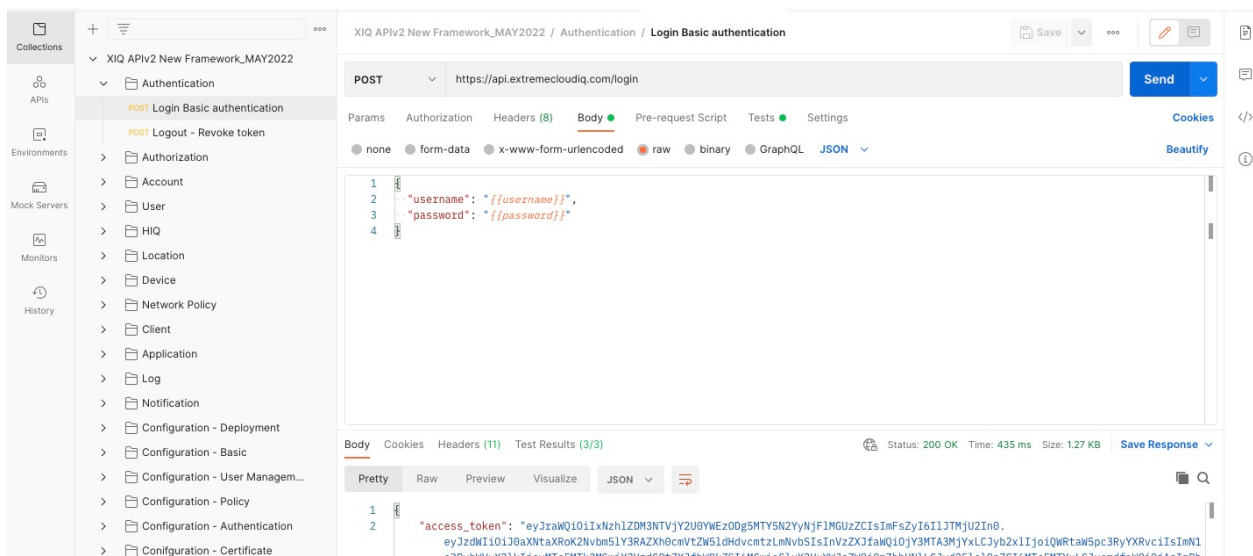
VARIABLE	INITIAL VALUE ①	CURRENT VALUE ②
username	username	username
password	password	password
id	device ID	
org_id	Organization ID	
np_id	Network Policy ID	
loc_id	Location ID	
ssid_id	SSID ID	
pcgk_id	PCG Key Based Group ID	
pcgu_id	PCG user ID	

Verify Environment

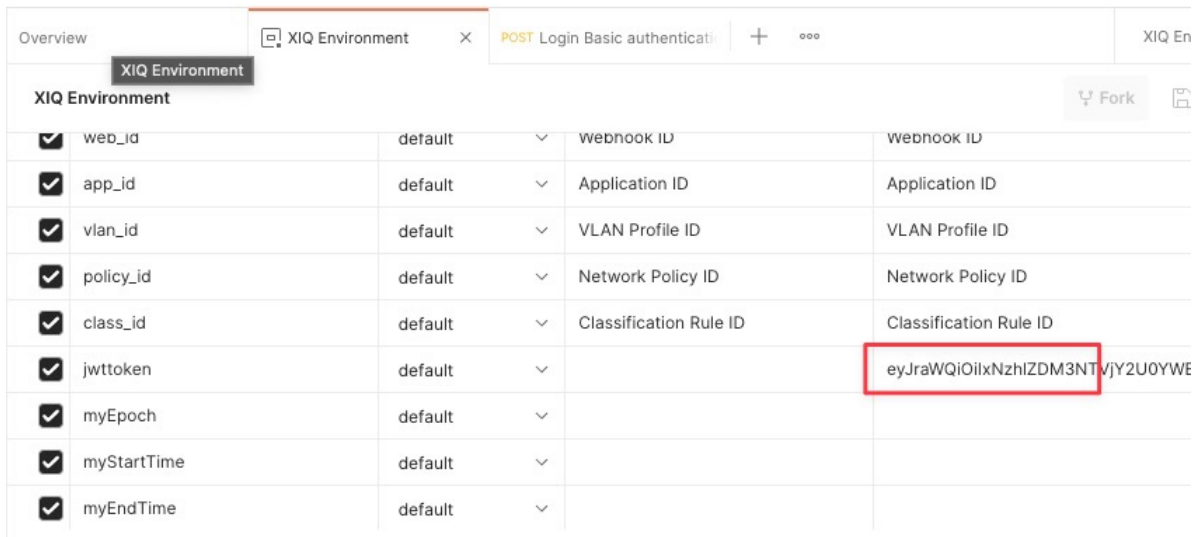
On the left, make sure Collections is selected. You should see the name of the collection that you imported. Click the little arrow next to the name to drop down the XIQ API map.



In the *Authentication* category, select the *Login Basic authentication* request. You can see the **username** and **password** variables set in the **Body**. Variables will be surrounded by {{ }}. After clicking the **send** button, you will receive an access token from XIQ in the response body.



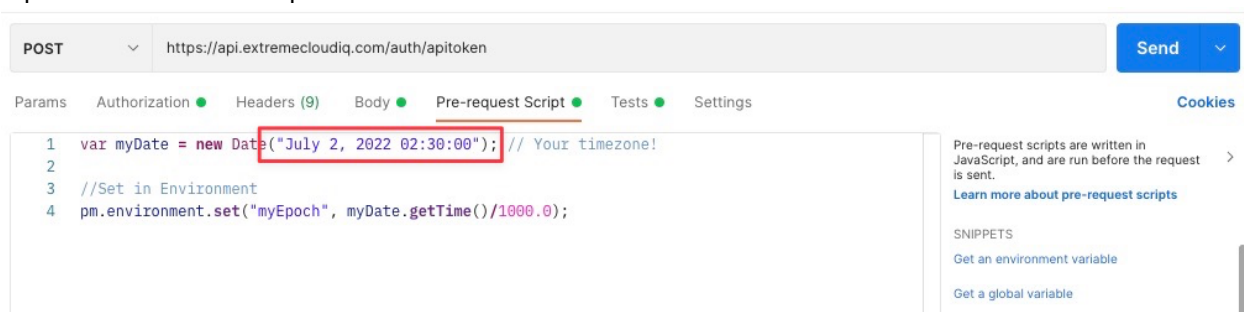
The access token is automatically saved to the environment variables as *jwttoken* and will be used by all the other API requests in the whole collection.



Variable	Value	Type	Description	Value
<input checked="" type="checkbox"/> web_id	default	▼	Webhook ID	webhook ID
<input checked="" type="checkbox"/> app_id	default	▼	Application ID	Application ID
<input checked="" type="checkbox"/> vlan_id	default	▼	VLAN Profile ID	VLAN Profile ID
<input checked="" type="checkbox"/> policy_id	default	▼	Network Policy ID	Network Policy ID
<input checked="" type="checkbox"/> class_id	default	▼	Classification Rule ID	Classification Rule ID
<input checked="" type="checkbox"/> jwttoken	default	▼		eyJraWQiOiIxNzhIZDM3NTVjY2U0YWE
<input checked="" type="checkbox"/> myEpoch	default	▼		
<input checked="" type="checkbox"/> myStartTime	default	▼		
<input checked="" type="checkbox"/> myEndTime	default	▼		

The myEpoch, myStartTime, and myEndTime will all be set in the Postman Collection by **Pre-request scripts** for the API calls that require Epoch Time.

For example, in the *Authorization* category the *POST /auth/apitoken* Generate new API token request you can enter a readable date/time format in the **Pre-request Script** and when you run the script will convert that date/time to Epoch time and update the environment variables.



POST ▼ https://api.extremecloudiq.com/auth/apitoken Send ▼

Params Authorization ● Headers (9) Body ● Pre-request Script ● Tests ● Settings Cookies

```

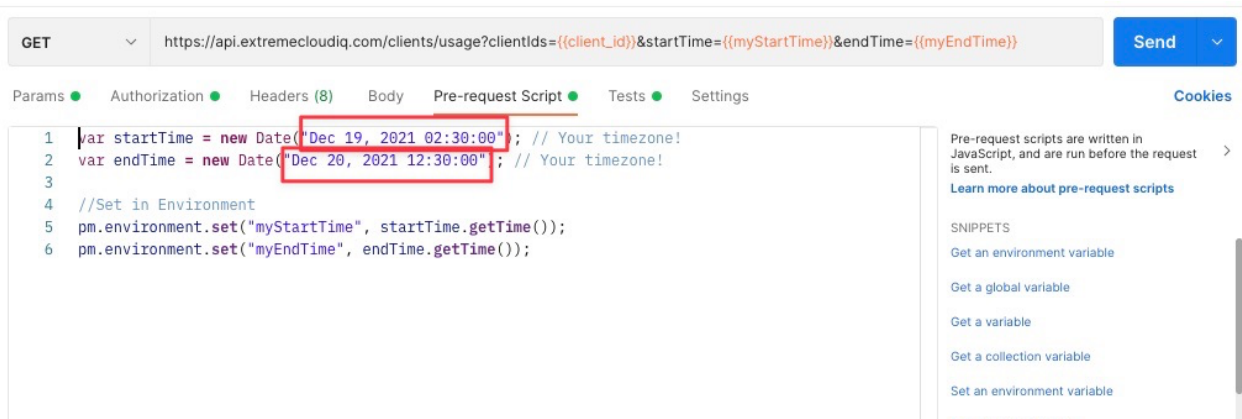
1 var myDate = new Date("July 2, 2022 02:30:00"); // Your timezone!
2
3 //Set in Environment
4 pm.environment.set("myEpoch", myDate.getTime()/1000.0);
  
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. [Learn more about pre-request scripts](#)

SNIPPETS

- Get an environment variable
- Get a global variable

Another example would be the *Get usage per client* request in the *Client* category.



GET ▼ https://api.extremecloudiq.com/clients/usage?clientId={{client_id}}&startTime={{myStartTime}}&endTime={{myEndTime}} Send ▼

Params ● Authorization ● Headers (8) Body **Pre-request Script** ● Tests ● Settings Cookies

```
1 var startTime = new Date("Dec 19, 2021 02:30:00"); // Your timezone!
2 var endTime = new Date("Dec 20, 2021 12:30:00"); // Your timezone!
3
4 //Set in Environment
5 pm.environment.set("myStartTime", startTime.getTime());
6 pm.environment.set("myEndTime", endTime.getTime());
```

Pre-request scripts are written in JavaScript, and are run before the request is sent. >
[Learn more about pre-request scripts](#)

SNIPPETS

- Get an environment variable
- Get a global variable
- Get a variable
- Get a collection variable
- Set an environment variable