



XIQ API – Postman Collection Guide

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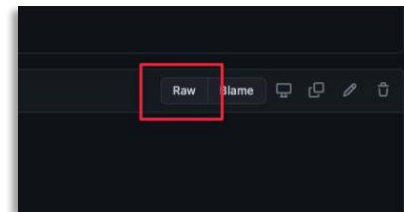
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Introduction

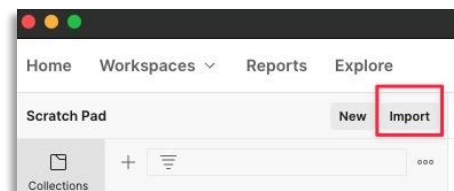
This document covers how to install and use the ExtremeCloudIQ Postman collection and environment files

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.

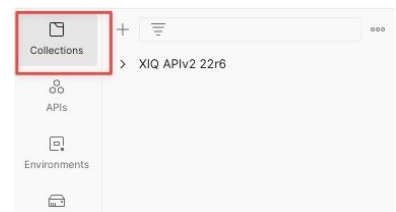
You will then be able to change the “**Current Values**” for any of the variables here. Enter your ExtremeCloudIQ username and password in the current value field and enter the IDs you want to use.

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.

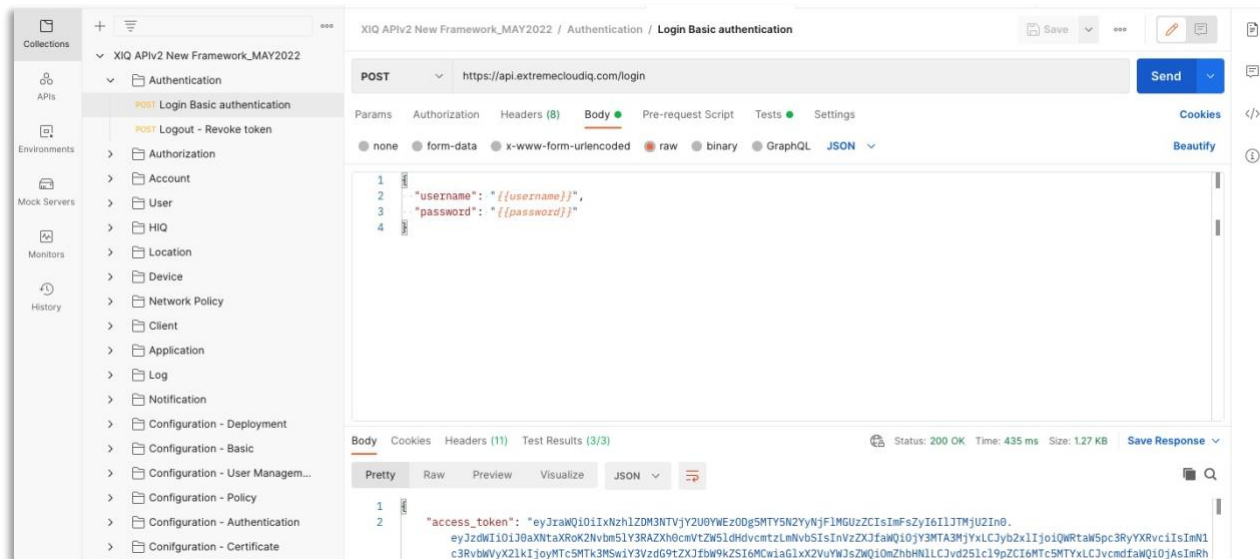
VARIABLE	TYPE ①	INITIAL VALUE ②	CURRENT VALUE ③
username	default 	username	username
password	default 	password	password
viq_id	default 	External VIQ ID	External VIQ ID
operation_id	default 	Operation ID	Operation ID
id	default 	device ID	device ID
uid	default 	admin User ID	admin User ID
org_id	default 	Organization ID	Organization ID
np_id	default 	Network Policy ID	Network Policy ID
loc_id	default 	Location ID	Location ID
ssid_id	default 	SSID ID	SSID ID
pcgk_id	default 	PCG Key Based Group ID	PCG Key Based Group ID
pcgu_id	default 	PCG user ID	PCG user ID

Verify Environment

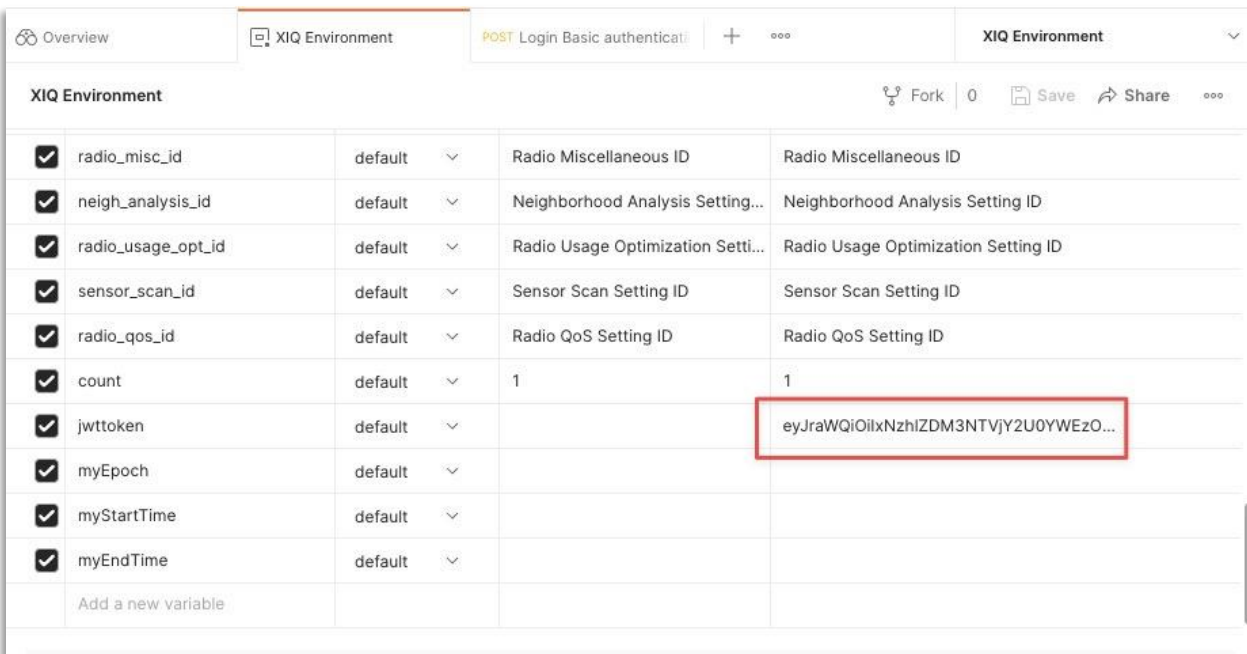
On the left, make sure Collections is selected. You should see the name of the collection that you imported. Click the little arrow next to the name to drop down the XIQ API map.



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.



checkbox	Variable Name	Value	Description	Value
<input checked="" type="checkbox"/>	radio_misc_id	default	Radio Miscellaneous ID	Radio Miscellaneous ID
<input checked="" type="checkbox"/>	neigh_analysis_id	default	Neighborhood Analysis Setting...	Neighborhood Analysis Setting ID
<input checked="" type="checkbox"/>	radio_usage_opt_id	default	Radio Usage Optimization Setti...	Radio Usage Optimization Setting ID
<input checked="" type="checkbox"/>	sensor_scan_id	default	Sensor Scan Setting ID	Sensor Scan Setting ID
<input checked="" type="checkbox"/>	radio_qos_id	default	Radio QoS Setting ID	Radio QoS Setting ID
<input checked="" type="checkbox"/>	count	default	1	1
<input checked="" type="checkbox"/>	jwttoken	default		eyJraWQiOiIxNzhIZDM3NTVjY2U0YWEzO...
<input checked="" type="checkbox"/>	myEpoch	default		
<input checked="" type="checkbox"/>	myStartTime	default		
<input checked="" type="checkbox"/>	myEndTime	default		
	Add a new variable			

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.



```

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);

```

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

