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CylancePROTECT and CylanceOPTICS User API Guide

dyamasaki (https://support.cylance.com/s/profile/005E0000007nOXGIA2)
January 16, 2019 11:29 AM UTC

Cylance offers APIs as an alternative way of interacting with systems for CylancePROTECT and CylanceOPTICS. The CylanceOPTICS API guide is currently a separate document, which will be incorporated into the Cylance User API guide at a future date. The CylanceOPTICS API guide does not have custom application configuration information; this information is contained in the Cylance User API guide.
Note: Please be aware of the following known issue for the CylanceOPTICS API:

[OQ-10798] - Found a discrepancy for Device ID and Zone ID formatting between CylancePROTECT and CylanceOPTICS API. Please see the CylanceOPTICS API release note for more information
here (https://support.cylance.com/s/article/CylanceOPTICS-API-Update-Release-Notes-November-28-2018)
.

Note: To use the Cylance API, please contact Cylance Support.

Cylance also provides some API examples using Postman. These examples are provided as JSON files in a compressed file. These files can be imported into your Postman instance.

Postman collections are available for both the CylancePROTECT API and CylanceOPTICS API.

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Note: Cylance Support does not provide assistance with writing API tests or calls. The attached examples are provided AS-IS and there is no guarantee the examples will work in your environment. Cylance Support does not provide assistance with Postman installations or issues regarding Postman.

Installing Python and PyJWT

- Read this article for an example installation of Python 2.7 and PyJWT:
  Cylance API Install Python and PyJWT on Windows
  (https://support.cylance.com/s/article/Cylance-API-Install-Python-and-PyJWT-on-Windows)

Downloading and Installing Postman

1. Download Postman for your platform from the
   Postman website (https://www.getpostman.com/apps).
2. Install Postman as per the Postman documentation:
   Installing the Postman app
   (http://www.getpostman.com/docs/v6/postman/launching_postman/installation_and_updates)
   .

Importing API Examples into Postman

1. Download the Cylance APIv2 PostmanV8.zip file attached at the bottom of this KB article.
   Extract the contents of the archive to a known location.
2. Open Postman and click on Import. On the Import File tab, click Choose Files.
3. Browse to the location where you extracted Cylance APIv2 PostmanV8.zip in Step #1.
   Open the 1-Environment folder and select Cylance API.postman_environment.json. Click Open.
4. Click on Import. On the Import File tab, click Choose Files.
5. Browse to the location where you extracted Cylance APIv2 PostmanV8.zip in Step #1.
   Open the 2-Collections folder. Navigate to either PROTECT or OPTICS. Select all of the .json files and click on Open.
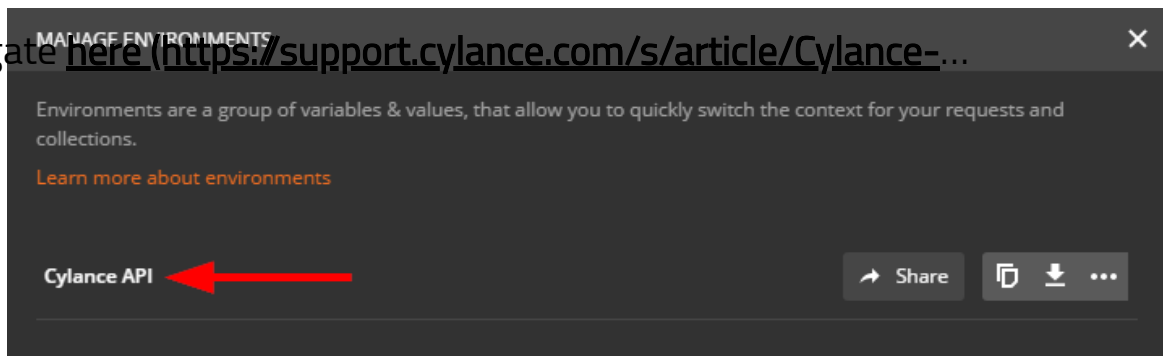
Configuring the Cylance API environment with Postman

1. Click on the gear icon at the top right of Postman.
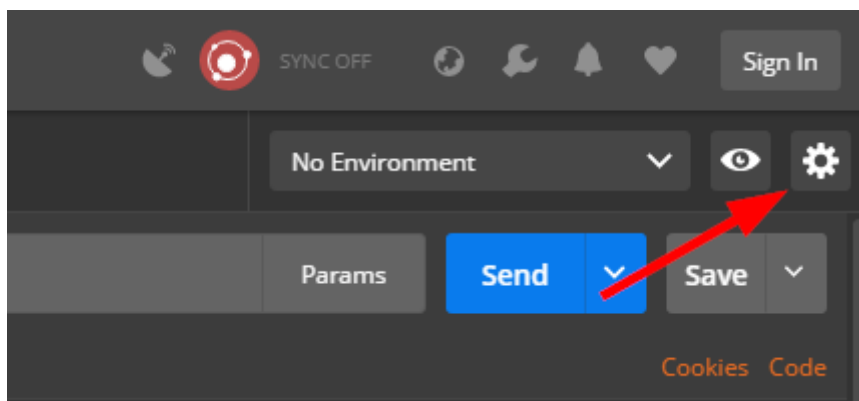
2. In the Manage Environments window that appears, click on the **Cylance API** environment.

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3. In the Edit Environment window, paste the JWT Token (access_token value) returned by Auth API from the Python Authentication and Access Token script into the **jwt-token** value field. The Python Authentication and Access Token script is included in the Cylance User API Guide PDF document, attached to the bottom of this KB article.

Note: The JWT Token has an associated lifetime; a new JWT Token will need to be pasted into the jwt-token value field once the old JWT Token has expired.
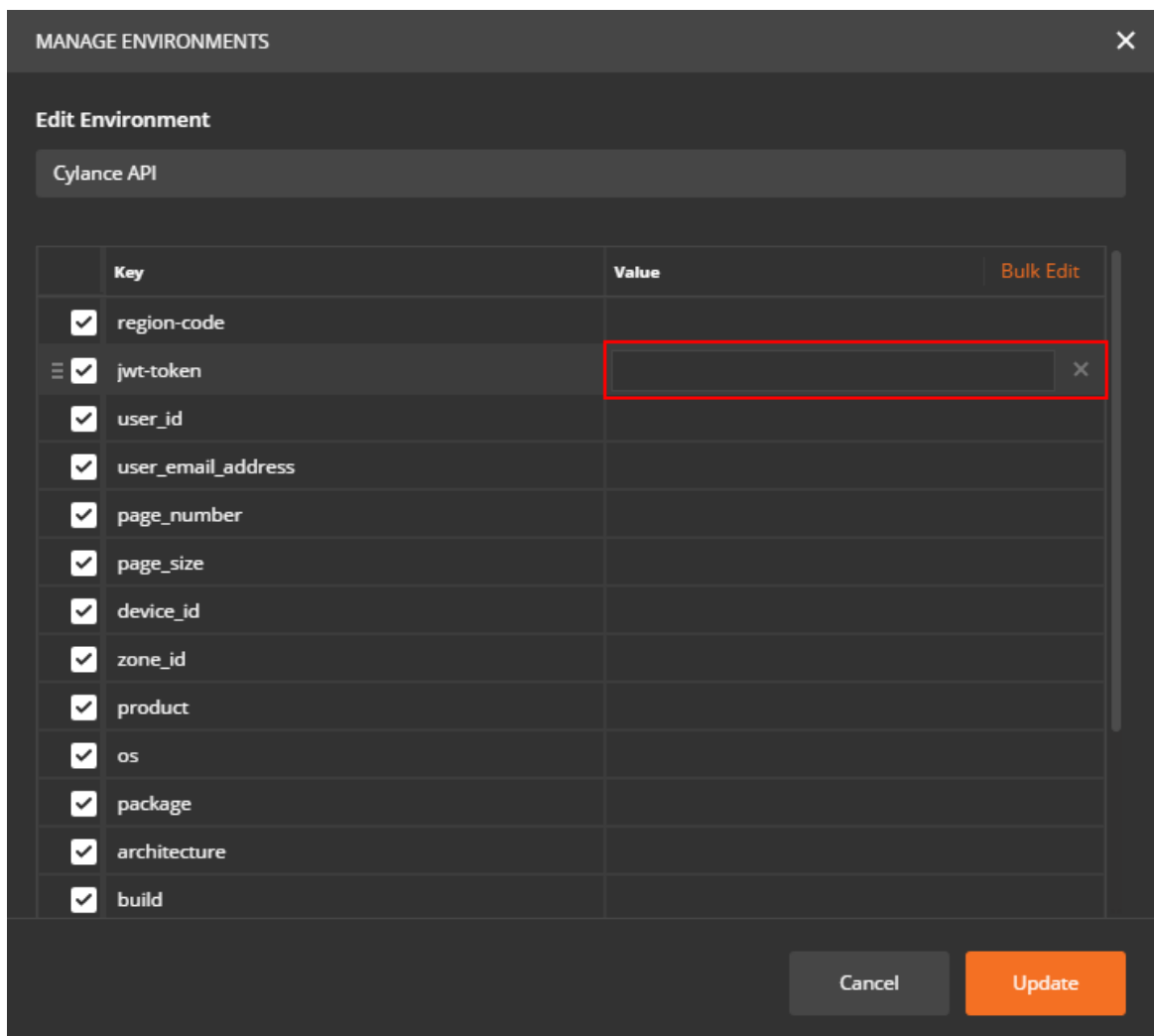
4. In the Edit Environment window, configure the **region-code** key with the value for the appropriate region, listed below:

North America: No code is required, leave the value blank.
Asia-Pacific - North: -apne1
Asia-Pacific - Southeast: -au
Europe - Central: -euc1

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Government: us

South America: sae1

5. In the Edit Environment window, configure other (optional) environmental keys to make submitting API calls easier. If you prefer, you can leave these blank and simply replace the {{key_name}} variable directly within the requests themselves.

user_id: User ID GUID for User API calls.
user_email_address: E-mail Address for User API calls.
page_number: Page number for HTTP GET requests.
page_size: Page size for HTTP GET requests (max 200).
device_id: Device ID GUID for Device API calls.
zone_id: Zone ID GUID for Zone API calls.
product: Product name for Get Agent Installer Link call.
os: OS name for Get Agent Installer Link call.
package: Package name for Get Agent Installer Link call.
architecture: Architecture type for Get Agent Installer Link call.
build: Build name for Get Agent Installer Link call.
mac_address: MAC Address for Device API calls.
list_type_id: List Type ID GUID for Global List API calls.
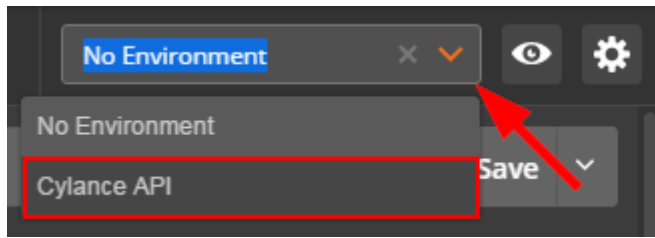**policy_id:** Device Policy ID GUID for Policy API calls.
threat_sha256: SHA256 file hash for Threat API calls.

Switching to the Cylance API environment with Postman

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1. Click on Environment drop down near the top right of Postman and change the environment to Cylance API.

Using the Cylance API with Postman

1. Click on a Collection folder on the left hand side of Postman and click on the desired Request.
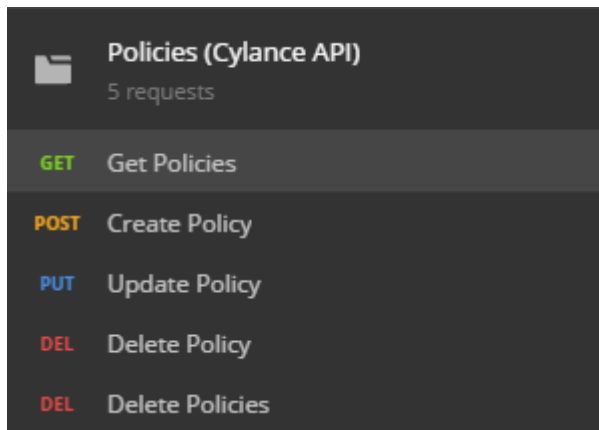
2. Fill out the required **{{variables}}** directly (or via **Configuring the Cylance API environment with Postman** as per above) and click Submit.

Example: Get Policies request for Asia-Pacific - Southeast region (protectapi-au), requesting page 1 with a page size of 100.

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> Get Policies

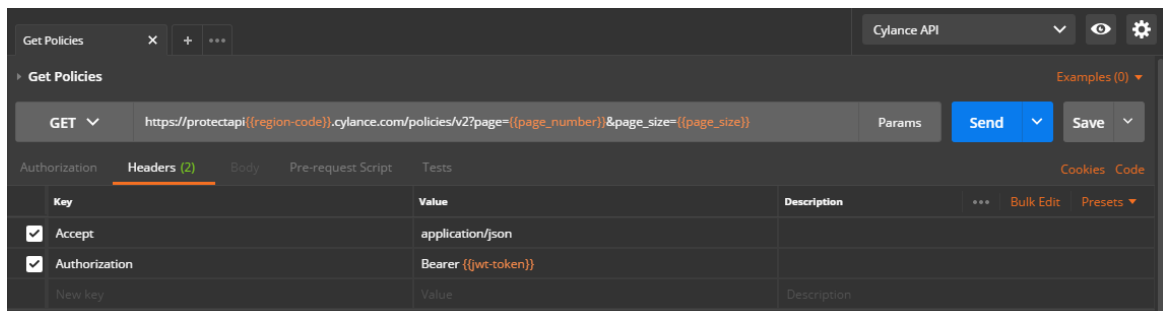**GET** ∨ https://protectapi-au.cylance.com/policies/v2?page=1&page_size=100

Authorization | **Headers (2)** | Body | Pre-request Script | Tests

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Cylance User API Guide v2.0 rev10.pdf (/servlet/fileField?Id=kA044000000CoRsCAK&entityId=ka044000000QZPfAAO&field=Doc_Attachment__Body__s)

Cylance APIv2 PostmanV8.zip (/servlet/fileField?Id=kA044000000CoRsCAK&entityId=ka044000000QZPfAAO&field=Doc_Attachment2__Body__s)

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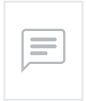
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