



## XIQ API – Permission Requirements and User Roles

## Revisions History

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## Introduction

This document will list each category of XIQ APIs and all the API calls under those categories. Laid out as it is laid out on the [api.extremecloudiq.com](http://api.extremecloudiq.com) Swagger page. Under each category, the document will list the category permissions that can be used for the API calls in that category. Most categories have two permissions for the category. The first permission will match or be similar to the category's name. Example - **device** for the devices category. This permission will give access to all the GET, POST, PUT, PATCH, and DELETE API calls in that category. The second permission will be named the same as the first but followed with a **:r**. Example - **device:r** for the devices category. This permission will give access to only the GET API calls in that category.

This document will also list any additional permissions available for a particular API call. This would allow for a token to be created only to be able to perform a specific API call without having permission to do all API calls within the category. Example – **device:list** under the [GET /devices](#) API call. This would allow the token only to be able to view the list of devices using that API call but not be able to perform any of the other GET API calls in the devices category.

This document also notes which Roles have access to each of the API call.

In addition, there is [Appendix - A](#) that lists the different roles with a list of the API calls available to those roles by default as well as [Appendix – B](#) that lists the different permissions with a list of the API calls available with that permission.

## Authentication

No default permissions for this category

### POST /login

No permissions needed – This call uses basic auth to generate a token. This token will have access to APIs based on the user's role.

### POST /logout

Permissions:

**"logout"** – revokes currently used token

Roles:

**"Operator",**  
**"Help Desk",**  
**"Monitor",**  
**"Administrator",**  
**"Installer",**  
**"Observer",**  
**"Guest Management"**

## Authorization

Permissions:

**"auth"** – Permission for all API calls in the Authorization Section

**"auth:r"** – Permission for all GET API calls in the Authorization Section

### POST /auth/apitoken

Permissions:

**"token:new"** – Permission to generate a new token.

NOTE: new tokens can only be granted permissions that the currently used token has.

Also included with *"auth"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**

### POST /auth/apitoken/:validate

Permissions:

No Specific permission - included with “*auth*”

Roles:

**"Operator",**  
**"Administrator"**

GET /auth/apitoken/info

Permissions:

No Specific permission - included with “*auth*” and “*auth:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

GET /auth/permissions

Permissions:

No Specific permission - included with “*auth*” and “*auth:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

POST /auth/permissions/:check

Permissions:

**“perm:check”** – Allows token to check permissions needed for any API call

Also included with “*auth*”

Roles

**"Operator",**  
**"Administrator"**

Operation

Permissions:

**"lro"** – Permission for all API calls in the Operation Section

**"lor:r"** – Permission for all GET API calls in the Operation Section

GET /operations/{operationId}

Permissions:

No Specific permission - included with “lro” and “lro:r”

Roles:

**"Operator",**

**"Administrator"**

DELETE /operations/{operationId}

Permissions:

No Specific permission - included with “lro”

Roles:

**"Operator",**

**"Administrator"**

POST /operations/{operationId}/:cancel

Permissions:

No Specific permission - included with “lro”

Roles:

**"Operator",**

**"Administrator"**

## Account

**"account"** – Permission for all API calls in the Account Section

**"account:r"** – Permission for all GET API calls in the Account Section

POST /account/:switch

Permissions:

**"account:switch"** – Allows user to switch to external account

Also included with “account”

Roles:

**"Operator",**

**"Help Desk",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer",**

**"Guest Management"**

GET /account/external

Permissions:



No Specific permission - included with “*account*” and “*account:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer",  
"Guest Management"

GET /account/home

Permissions:

No Specific permission - included with “*account*” and “*account:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer",  
"Guest Management"

GET /account/viq

Permissions:

No Specific permission - included with “*account*” and “*account:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer",  
"Guest Management"

POST /account/viq/:backup

Permissions:

“**viq:backup**” – Permission to backup the viq.

Also included with “*account*”

Roles:

**"Operator",  
"Administrator"**

GET /account/viq/default-device-password

Permissions:

No Specific permission - included with *"account"* and *"account:r"*

Roles:

**"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer",  
"Guest Management"**

PUT /account/viq/default-device-password

Permissions:

No Specific permission - included with *"account"*

Roles:

**"Operator",  
"Administrator"**

## Users

Permissions:

**"user"** – Permission for all API calls in the User Section

**"user:r"** – Permission for all GET API calls in the User Section

GET /users

Permissions:

No Specific permission - included with *"user"* and *"user:r"*

Roles:

**"Operator",  
"Administrator",  
"Monitor"**

POST /users

Permissions:

No Specific permission - included with *"user"*

Roles:

**"Administrator"**

GET /users/{id}

Permissions:

No Specific permission - included with “user” and “user:r”

Roles:

**"Operator",  
"Administrator",  
"Monitor"**

DELETE /users/{id}

Permissions:

No Specific permission - included with “user”

Roles:

**"Administrator"**

PATCH /users/{id}

Permissions:

No Specific permission - included with “user”

Roles:

**"Administrator"**

GET /users/external

Permissions:

No Specific permission - included with “user” and “user:r”

Roles:

**"Operator",  
"Administrator",  
"Monitor"**

POST /users/external

Permissions:

No Specific permission - included with “user”

Roles:

**"Administrator"**

#### GET /users/external/{id}

Permissions:

No Specific permission - included with “user” and “user:r”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor"**

#### DELETE /users/external/{id}

Permissions:

No Specific permission - included with “user”

Roles:

**"Administrator"**

#### PATCH /users/external/{id}

Permissions:

No Specific permission - included with “user”

Roles:

**"Administrator"**

#### GET /users/me

Permissions:

**“user-me:r”** – Permission to view details on yourself

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor"**

## HIQ

Permissions:

**"hiq"** – Permission for all API calls in the HIQ Section

**"hiq:r"** – Permission for all GET API calls in the HIQ Section

#### GET /hiq/context

Permissions:

**“hiq.ctx”** – Permission for control HIQ Context (HIQ account only).

**“hiq.ctx:r”** – Permission to read HIQ Context (HIQ account only).

Also included with “hiq” and “hiq:r”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### PUT /hiq/context

Permissions:

“hiq.ctx” – Permission for control HIQ Context (HIQ account only).  
“hiq.ctx:w” – Permission to switch HIQ Context (HIQ account only).

Also included with “hiq”

Roles:

"Operator",  
"Administrator",  
"Installer"

#### GET /hiq/context/creating

Permissions:

“hiq.ctx” – Permission for control HIQ Context (HIQ account only).  
“hiq.ctx:r” – Permission to read HIQ Context (HIQ account only).

Also included with “hiq” and “hiq:r”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### PUT /hiq/context/creating

Permissions:

“hiq.ctx” – Permission for full control HIQ Context (HIQ account only).  
“hiq.ctx:w” – Permission to switch HIQ Context (HIQ account only).

Also included with “hiq”

Roles:

"Operator",  
"Administrator",  
"Installer"

#### GET /hiq/context/reading

Permissions:

"hiq.ctx" – Permission for control HIQ Context (HIQ account only).

"hiq.ctx:r" – Permission to read HIQ Context (HIQ account only).

Also included with "hiq" and "hiq:r"

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### PUT /hiq/context/reading

Permissions:

"hiq.ctx" – Permission for control HIQ Context (HIQ account only).

"hiq.ctx:w" – Permission to switch HIQ Context (HIQ account only).

Also included with "hiq"

Roles:

"Operator",  
"Administrator",  
"Installer"

#### GET /hiq/organizations

Permissions:

"org" – Permission for full control HIQ organizations (HIQ account only).

Also included with "hiq" and "hiq:r"

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",

**"Installer",**  
**"Observer"**

#### POST /hiq/organizations

Permissions:

**"org"** – Permission for full control HIQ organizations (HIQ account only).  
**"org:new"** – Permission to create HIQ organization (HIQ account only).

Also included with *"hiq"*

Roles:

**"Operator",**  
**"Administrator"**

#### DELETE /hiq/organizations/{id}

Permissions:

**"org"** – Permission for full control HIQ organizations (HIQ account only).  
**"org:del"** – Permission to delete HIQ organization (HIQ account only).

Also included with *"hiq"*

Roles:

**"Operator",**  
**"Administrator"**

#### POST /hiq/organizations/{id}/:rename

Permissions:

**"org"** – Permission for full control HIQ organizations (HIQ account only).  
**"org:rename"** – Permission to rename HIQ organization (HIQ account only).

Also included with *"hiq"*

Roles:

**"Operator",**  
**"Administrator"**

#### GET /hiq/status

Permissions:

No Specific permission - included with *"hiq"* and *"hiq:r"*

Roles:

**"Operator",**

"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

## Location

Permissions:

"locations" – Permission for all API calls in the Location Section

"locations:r" – Permission for all GET API calls in the Location Section

### POST /locations

Permissions:

No Specific permission - included with *"locations"*

Roles:

"Operator",  
"Administrator"  
"Installer"

### POST /locations/:init

Permissions:

No Specific permission - included with *"locations"*

Roles:

"Operator",  
"Administrator"  
"Installer"

### PUT /locations/{id}

Permissions:

No Specific permission - included with *"locations"*

Roles:

"Operator",  
"Administrator"  
"Installer"

### DELETE /locations/{id}

Permissions:

No Specific permission - included with *"locations"*



Roles:

"Operator",  
"Administrator"  
"Installer"

GET /locations/building

Permissions:

No Specific permission - included with “locations” and “locations:r”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /locations/building

Permissions:

No Specific permission - included with “locations”

Roles:

"Operator",  
"Administrator"  
"Installer"

GET /locations/building/{id}

Permissions:

No Specific permission - included with “locations” and “locations:r”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /locations/building/{id}

Permissions:

No Specific permission - included with “locations”

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

DELETE /locations/building/{id}

Permissions:

No Specific permission - included with *"locations"*

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

GET /locations/floor

Permissions:

No Specific permission - included with *"locations"* and *"locations:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /locations/floor

Permissions:

No Specific permission - included with *"locations"*

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

GET /locations/floor/{id}

Permissions:

No Specific permission - included with *"locations"* and *"locations:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**

**"Installer",**  
**"Observer"**

PUT /locations/floor/{id}

Permissions:

No Specific permission - included with *"locations"*

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

DELETE /locations/floor/{id}

Permissions:

No Specific permission - included with *"locations"*

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

POST /locations/floorplan

Permissions:

No Specific permission - included with *"locations"*

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

GET /locations/site

Permissions:

No Specific permission - included with *"locations"* and *"locations:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### POST /locations/site

Permissions:

No Specific permission - included with “*locations*”

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

#### GET /locations/site/{id}

Permissions:

No Specific permission - included with “*locations*” and “*locations:r*”

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### PUT /locations/site/{id}

Permissions:

No Specific permission - included with “*locations*”

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

#### DELETE /locations/site/{id}

Permissions:

No Specific permission - included with “*locations*”

Roles:

**"Operator",**  
**"Administrator"**  
**"Installer"**

#### GET /locations/tree

Permissions:

No Specific permission - included with “*locations*” and “*locations:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /locations/tree/devices

Permissions:

No Specific permission - included with *"locations"* and *"locations:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /locations/tree/maps

Permissions:

No Specific permission - included with *"locations"* and *"locations:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

## Device

Permissions:

**"device"** – Permission for all API calls in the Device Section

**"device:r"** – Permission for all GET API calls in the Device Section

GET /devices

Permissions:

**"device:list"** – Permission to get the list of devices

Also included with “*device*” and “*device:r*”

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /devices/:cli

Permissions:

“**device:cli**” – Permission to send cli commands to device(s)

Also included with “*device*”

Roles:

"Operator",  
"Administrator",  
"Installer"

POST /devices/:delete

Permissions:

“**device:del**” – Permission to delete device(s)

Also included with “*device*”

Roles:

"Operator",  
"Administrator",  
"Installer"

POST /devices/:manage

Permissions:

“**device:mange**” – Permission to change management on device(s) to MANAGED

Also included with “*device*”

Roles:

"Operator",  
"Administrator",  
"Installer"

#### POST /devices/:onboard

Permissions:

**"device:new"** – Permission to onboard device(s)

Also included with *"device"*

Roles:

**"Operator",  
"Administrator",  
"Installer"**

#### POST /devices/:reboot

Permissions:

**"device:reboot"** – Permission to reboot device(s)

Also included with *"device"*

Roles:

**"Operator",  
"Administrator",  
"Installer"**

#### POST /devices/:unmanage

Permissions:

**"device:mange"** – Permission to change management on device(s) to UNMANAGED

Also included with *"device"*

Roles:

**"Operator",  
"Administrator",  
"Installer"**

#### GET /devices/{id}

Permissions:

**"device:view"** – Permission to view details of a device

Also included with *"device"* and *"device:r"*

Roles:

**"Operator",  
"Administrator",  
"Monitor",**

**"Installer",**  
**"Observer"**

DELETE /devices/{id}

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/:cli

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/:manage

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/:reboot

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/:reset

Permissions:

**"device:reset"** – Permission to reset a device to factory default



Also included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/unmanage

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/alarms

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /devices/{id}/bounce-port

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/config/vlan-attributes

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**

**"Installer",**  
**"Observer"**

POST /devices/{id}/config/vlan-attributes

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

DELETE /devices/{id}/config/vlan-attributes

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

PATCH /devices/{id}/config/vlan-attributes/{vlan\_id}

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/config/vlan-ipv4-intf

Permissions:

No Specific permission - included with *"device"* and *"device:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /devices/{id}/config/vlan-ipv4-intf

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

DELETE /devices/{id}/config/vlan-ipv4-intf

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

PATCH /devices/{id}/config/vlan-ipv4-intf/{ipv4IntId}

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/config/vlan-ipv4-static

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /devices/{id}/config/vlan-ipv4-static

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### DELETE /devices/{id}/config/vlan-ipv4-static

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### PATCH /devices/{id}/config/vlan-ipv4-static/{ipv4StaticRouteId}

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### PUT /devices/{id}/description

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### GET /devices/{id}/ftm-settings

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### POST /devices/{id}/config/ftm-settings

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

DELETE /devices/{id}/config/ftm-settings

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/gallery-image

Permissions:

No Specific permission - included with *"device"* and *"device:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

GET /devices/{id}/history/cpu-mem

Permissions:

No Specific permission - included with *"device"* and *"device:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

PUT /devices/{id}/hostname

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### GET /devices/{id}/ibeacon

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### GET /devices/{id}/installation-report

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### GET /devices/{id}/interfaces/wifi

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### GET /devices/{id}/location

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### PUT /devices/{id}/location

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### DELETE /devices/{id}/location

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

#### GET /devices/{id}/monitor/ipv4-routing

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### GET /devices/{id}/monitor/ipv4-routing-timeline

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

GET /devices/{id}/monitor/vlan-attr

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

GET /devices/{id}/monitor/vlan-ipv4-intf

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

GET /devices/{id}/network-policy

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

PUT /devices/{id}/network-policy

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**



DELETE /devices/{id}/network-policy

Permissions:

No Specific permission - included with “device”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/ssid/:override

Permissions:

No Specific permission - included with “device”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/{id}/ssid/status

Permissions:

No Specific permission - included with “device” and “device:r”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /devices/{id}/ssid/status/:change

Permissions:

No Specific permission - included with “device”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/{id}/thread/commissioner/:start

Permissions:

**“device:thread-commissioner”** – Permission to change thread commissioner to device(s)

Also included with “device”

Roles:

"Operator",  
"Administrator",  
"Installer"

POST /devices/{id}/thread/commissioner/:stop

Permissions:

**"device:thread-commissioner"** – Permission to change thread commissioner to device(s)

Also included with *"device"*

Roles:

"Operator",  
"Administrator",  
"Installer"

POST /devices/country-code/:assign

Permissions:

No Specific permission - included with *"device"*

Roles:

"Operator",  
"Administrator",  
"Installer"

GET /devices/{id}/digital-twin

Permissions:

**"device:view"** – Permission to view details of a device

Also included with *"device"* and *"device:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /devices/ibeacon

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/location/:assign

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/location/:query

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/location/:revoke

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/network-policy/:assign

Permissions:

No Specific permission - included with *"device"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/network-policy/:query

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

POST /devices/network-policy/:revoke

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/network-policy/{policyId}

Permissions:

No Specific permission - included with “*device*” and “*device:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /devices/os/:change

Permissions:

No Specific permission - included with “*device*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Installer"**

GET /devices/radio-information

Permissions:

**"device:list"** – Permission to get the list of devices

Also included with “*device*” and “*device:r*”

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /devices/radius-proxy/:assign

Permissions:

No Specific permission - included with *"device"*

Roles:

"Operator",  
"Administrator",  
"Installer"

DELETE /devices/radius-proxy/:revoke

Permissions:

No Specific permission - included with *"device"*

Roles:

"Operator",  
"Administrator",  
"Installer"

GET /devices/stats

Permissions:

**"device:view"** – Permission to view details of a device

Also included with *"device"* and *"device:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

## Network Policy

Permissions:

**"network-policy"** – Permission for all API calls in the Network Policy Section

**"network-policy:r"** – Permission for all GET API calls in the Network Policy Section

### GET /network-policies

Permissions:

No Specific permission - included with “*network-policy*” and “*network-policy:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

### POST /network-policies

Permissions:

No Specific permission - included with “*network-policy*”

Roles:

**"Operator",**  
**"Administrator"**

### GET /network-policies/{id}

Permissions:

No Specific permission - included with “*network-policy*” and “*network-policy:r*”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

### PUT /network-policies/{id}

Permissions:

No Specific permission - included with “*network-policy*”

Roles:

**"Operator",**  
**"Administrator"**

### DELETE /network-policies/{id}

Permissions:

No Specific permission - included with “*network-policy*”

Roles:

**"Operator",  
"Administrator"**

GET /network-policies/{id}/ssids

Permissions:

No Specific permission - included with *"network-policy"* and *"network-policy:r"*

Roles:

**"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"**

POST /network-policies/{id}/ssids/:add

Permissions:

**"policy:ssid"** – SSID management on network-policy

Also included with *"network-policy"*

Roles:

**"Operator",  
"Administrator"**

POST /network-policies/{id}/ssids/:remove

Permissions:

**"policy:ssid"** – SSID management on network-policy

Also included with *"network-policy"*

Roles:

**"Operator",  
"Administrator"**

## Client

Permissions:

**"client"** – Permission for all API calls in the Client Section

**"client:r"** – Permission for all GET API calls in the Client Section

GET /clients/{id}

Permissions:

No Specific permission - included with *"client"* and *"client:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /clients/active

Permissions:

No Specific permission - included with *"client"* and *"client:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /clients/alias

Permissions:

No Specific permission - included with *"client"*

Roles:

"Operator",  
"Administrator"

GET /clients/active/count

Permissions:

No Specific permission - included with *"client"* and *"client:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /clients/byMac/{client\_mac}

Permissions:

No Specific permission - included with *"client"* and *"client:r"*



Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

DELETE /clients/byMac/{client\_mac}

Permissions:

No Specific permission - included with *"client"*

Roles:

"Operator",  
"Administrator"

GET /clients/summary

Permissions:

No Specific permission - included with *"client"* and *"client:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /clients/usage

Permissions:

No Specific permission - included with *"client"* and *"client:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

## Application

Permissions:

"app" – Permission for all API calls in the Application Section

"application:r" – Permission for all GET API calls in the Application Section

## GET /applications

Permissions:

No Specific permission - included with “app” and “application:r”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

## GET /applications/{id}/clients/top{n}

Permissions:

No Specific permission - included with “app” and “application:r”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

## GET /applications/top{n}

Permissions:

No Specific permission - included with “app” and “application:r”

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

## Alert

No default permissions for this category

## GET /alert-policies

Permissions:

**“alert-policies”** – Permission for full control of alert policies.

**“alert-policies:r”** – Permission to read alert policies.

Roles:

**"Operator",**

"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /alert-policies

Permissions:

"alert-policies" – Permission for full control of alert policies.

Roles:

"Operator",  
"Administrator"

GET /alert-policies/{id}

Permissions:

"alert-policies" – Permission for full control of alert policies.

"alert-policies:r" – Permission to read alert policies.

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /alert-policies/{id}

Permissions:

"alert-policies" – Permission for full control of alert policies.

Roles:

"Operator",  
"Administrator"

DELETE /alert-policies/{id}

Permissions:

"alert-policies" – Permission for full control of alert policies.

Roles:

"Operator",  
"Administrator"

GET /alert-policies/{id}/rules/{alert\_rule\_id}

Permissions:

**"alert-policies"** – Permission for full control of alert policies.

**"alert-policies:r"** – Permission to read alert policies.

Roles:

**"Operator"**,

**"Administrator"**,

**"Monitor"**,

**"Installer"**,

**"Observer"**

PUT /alert-policies/{id}/rules/{alert\_rule\_id}

Permissions:

**"alert-policies"** – Permission for full control of alert policies.

Roles:

**"Operator"**,

**"Administrator"**

POST /alert-policies/{id}/rules/{alert\_rule\_id}/:disable

Permissions:

**"alert-policies"** – Permission for full control of alert policies.

Roles:

**"Operator"**,

**"Administrator"**

PUT /alert-policies/{id}/rules/{alert\_rule\_id}/:enable

Permissions:

**"alert-policies"** – Permission for full control of alert policies.

Roles:

**"Operator"**,

**"Administrator"**

GET /alert-policies/available-sites

Permissions:

**"alert-policies"** – Permission for full control of alert policies.

**"alert-policies:r"** – Permission to read alert policies.

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

GET /alert-subscriptions/emails

Permissions:

"alert-subscriptions" – Permission for full control of alert subscriptions.

"alert-subscriptions:r" – Permission to read alert subscriptions.

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /alert-subscriptions/emails

Permissions:

"alert-subscriptions" – Permission for full control of alert subscriptions.

Roles:

"Operator",  
"Administrator"

POST /alert-subscriptions/emails/:delete

Permissions:

"alert-subscriptions" – Permission for full control of alert subscriptions.

Roles:

"Operator",  
"Administrator"

GET /alert-subscriptions/emails/{id}

Permissions:

"alert-subscriptions" – Permission for full control of alert subscriptions.

"alert-subscriptions:r" – Permission to read alert subscriptions.

Roles:

"Operator",  
"Administrator",

**"Monitor",  
"Installer",  
"Observer"**

PUT /alert-subscriptions/emails/{id}

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",  
"Administrator"**

DELETE /alert-subscriptions/emails/{id}

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",  
"Administrator"**

POST /alert-subscriptions/emails/{id}:verify

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",  
"Administrator"**

GET /alert-subscriptions/webhooks

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

**"alert-subscriptions:r"** – Permission to read alert subscriptions.

Roles:

**"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"**

POST /alert-subscriptions/webhooks

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

POST /alert-subscriptions/webhooks/:delete

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

GET /alert-subscriptions/webhooks /{id}

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

**"alert-subscriptions:r"** – Permission to read alert subscriptions.

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

PUT /alert-subscriptions/webhooks /{id}

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

DELETE /alert-subscriptions/webhooks /{id}

Permissions:

**"alert-subscriptions"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

GET /alerts

Permissions:

**"alert"** – Permission for full control of alerts.

**"alert:r"** – Permission to read alerts.

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /alerts/:acknowledge

Permissions:

**"alert"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

GET /alerts/count-by-{group}

Permissions:

**"alert"** – Permission for full control of alerts.

**"alert:r"** – Permission to read alerts.

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

POST /alerts/report

Permissions:

**"alert"** – Permission for full control of alert subscriptions.

Roles:

**"Operator",**  
**"Administrator"**

GET /alerts/reports/{id}

Permissions:

**"alert"** – Permission for full control of alerts.



**“alert:r”** – Permission to read alerts.

Roles:

**"Operator",**  
**“Help Desk”,**  
**"Administrator",**  
**“Monitor”,**  
**“Installer”,**  
**“Observer”**

## Log

Permissions:

**"log"** – Permission for all API calls in the Log Section

**"log:r"** – Permission for all GET API calls in the Log Section

### GET /logs/accounting

Permissions:

No Specific permission - included with *“log”* and *“log:r”*

Roles:

**"Operator",**  
**"Administrator",**  
**“Monitor”,**  
**'Installer',**  
**“Observer”,**  
**“Application Operator”**

### GET /logs/audit

Permissions:

No Specific permission - included with *“log”* and *“log:r”*

Roles:

**"Operator",**  
**"Administrator",**  
**“Monitor”,**  
**'Installer',**  
**“Observer”,**  
**“Application Operator”**

### POST /logs/audit/reports

Permissions:

No Specific permission - included with *“log”*

Roles:

**"Operator",**  
**"Administrator"**

GET /logs/audit/reports/{id}

Permissions:

No Specific permission - included with *"log"* and *"log:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**'Installer',**  
**"Observer",**  
**"Application Operator"**

GET /logs/auth

Permissions:

No Specific permission - included with *"log"* and *"log:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**'Installer',**  
**"Observer",**  
**"Application Operator"**

GET /logs/credential

Permissions:

No Specific permission - included with *"log"* and *"log:r"*

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**'Installer',**  
**"Observer",**  
**"Application Operator"**

GET /logs/email

Permissions:

No Specific permission - included with *"log"* and *"log:r"*

Roles:

"Operator",  
"Administrator",  
"Monitor",  
'Installer',  
"Observer",  
"Application Operator"

GET /logs/sms

Permissions:

No Specific permission - included with "log" and "log:r"

Roles:

"Operator",  
"Administrator",  
"Monitor",  
'Installer',  
"Observer",  
"Application Operator"

## Notification

Permissions:

" **subscriptions-webhook**" – Permission for all API calls in the Notification Section

" **subscriptions-webhook:r**" – Permission for all GET API calls in the Notification Section

GET /subscriptions/webhook

Permissions:

No Specific permission - included with "subscriptions-webhook" and "subscriptions-webhook:r"

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Observer"

POST /subscriptions/webhook

Permissions:

No Specific permission - included with "subscriptions-webhook"

Roles:

"Operator",

## "Administrator"

DELETE /subscriptions/webhook/{id}

Permissions:

No Specific permission - included with “*subscriptions-webhook*”

Roles:

"Operator",

"Administrator"

## Configuration - Deployment

Permissions:

" **deployment**" – Permission for all API calls in the Configuration - Deployment Section

" **deployment:r**" – Permission for all GET API calls in the Configuration – Deployment Section

POST /deployments

Permissions:

No Specific permission - included with “*deployment*”

Roles:

"Operator",

"Administrator"

GET /deployments/overview

Permissions:

No Specific permission - included with “*deployment*” and “*deployment:r*”

Roles:

"Operator",

"Help Desk",

"Administrator",

"Monitor",

"Installer",

"Observer",

"Guest Management"

GET /deployments/status

Permissions:

No Specific permission - included with “*deployment*” and “*deployment:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer",  
"Guest Management"

## Configuration - Basic

Permissions:

"**vlan-profile**" – Permission for all API calls in the Configuration - Basic Section

"**vlan-profile:r**" – Permission for all GET API calls in the Configuration – Basic Section

### GET /vlan-profiles

Permissions:

No Specific permission - included with "*vlan-profile*" and "*vlan-profile:r*"

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Observer"

### POST /vlan-profiles

Permissions:

No Specific permission - included with "*vlan-profile*"

Roles:

"Operator",  
"Administrator"

### POST /vlan-profiles/:delete

Permissions:

No Specific permission - included with "*vlan-profile*"

Roles:

"Operator",  
"Administrator"

### GET /vlan-profiles/{id}

Permissions:

No Specific permission - included with "*vlan-profile*" and "*vlan-profile:r*"

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Observer"

DELETE /vlan-profiles/{id}

Permissions:

No Specific permission - included with “vlan-profile”

Roles:

"Operator",  
"Administrator"

PATCH /vlan-profiles/{id}

Permissions:

No Specific permission - included with “vlan-profile”

Roles:

"Operator",  
"Administrator"

## Configuration - User Management

No default permissions for this category

GET /email-templates

Permissions:

“email-template” – Permission for full of email template.

“email-template:r” – Permission to read email templates

Roles:

"Operator",  
"Administrator",  
"Monitor",  
“Observer”

GET /endusers

Permissions:

“enduser” – Permission for full control of end users.

“enduser:r” – Permission to read end users

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Observer",  
"Guest Management"

POST /endusers

Permissions:

"enduser" – Permission for full control of end users.

Roles:

"Operator",  
"Administrator"

PUT /endusers/{id}

Permissions:

"enduser" – Permission for full control of end users.

Roles:

"Operator",  
"Administrator"

DELETE /endusers/{id}

Permissions:

"enduser" – Permission for full control of end users.

Roles:

"Operator",  
"Administrator"

POST /endusers/{id}/:regenerate-password

Permissions:

"enduser" – Permission for full control of end users.

Roles:

"Operator",  
"Administrator"

GET /pcgs/key-based

Permissions:

"pcg:key" – Permission for full control of PCG key based.

"pcg:key:r" – Permission to read PCG key based

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Observer"

POST /pcgs/key-based

Permissions:

"pcg:key" – Permission for full control of PCG key based.

Roles:

"Operator",  
"Administrator"

DELETE /pcgs/key-based/network-policy-{policyId}

Permissions:

"pcg:key" – Permission for full control of PCG key based.

Roles:

"Operator",  
"Administrator"

POST /pcgs/key-based/network-policy-{policyId}/:onboard

Permissions:

"pcg:key" – Permission for full control of PCG key based.

Roles:

"Operator",  
"Administrator"

POST /pcgs/key-based/network-policy-{policyId}/keys/:email

Permissions:

"pcg:key" – Permission for full control of PCG key based.

Roles:

"Operator",  
"Administrator"

POST /pcgs/key-based/network-policy-{policyId}/keys/:generate

Permissions:

"pcg:key" – Permission for full control of PCG key based.



Roles:

**"Operator",**  
**"Administrator"**

GET /pcgs/key-based/network-policy-{policyId}/port-assignments

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.  
**"pcg:key:r"** – Permission to read PCG key based

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

POST /pcgs/key-based/network-policy-{policyId}/port-assignments

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.

Roles:

**"Operator",**  
**"Administrator"**

GET /pcgs/key-based/network-policy-{policyId}/users

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.  
**"pcg:key:r"** – Permission to read PCG key based

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

PUT /pcgs/key-based/network-policy-{policyId}/users

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.

Roles:

**"Operator",**  
**"Administrator"**

POST /pcgs/key-based/network-policy-{policyId}/users

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.

Roles:

**"Operator",**  
**"Administrator"**

DELETE /pcgs/key-based/network-policy-{policyId}/users

Permissions:

**"pcg:key"** – Permission for full control of PCG key based.

Roles:

**"Operator",**  
**"Administrator"**

GET /sms-templates

Permissions:

**"sms-tmpl"** – Permission for full control of SMS template.

**"sms-tmpl:r"** – Permission to read SMS template

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

GET /usergroups

Permissions:

**"usergroup"** – Permission for full control of user groups.

**"usergroup:r"** – Permission to read user groups

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

POST /usergroups

Permissions:

**"usergroup"** – Permission for full control of user groups.

Roles:

**"Operator",**  
**"Administrator"**

PUT /usergroups/{id}

Permissions:

**"usergroup"** – Permission for full control of user groups.

Roles:

**"Operator",**  
**"Administrator"**

DELETE /usergroups/{id}

Permissions:

**"usergroup"** – Permission for full control of user groups.

Roles:

**"Operator",**  
**"Administrator"**

## Configuration - Policy

No default permissions for this category

GET /ccgs

Permissions:

**"ccg"** – Permission for full control of CCG.

**"ccg:r"** – Permission to read CCG

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

POST /ccgs

Permissions:

**"ccg"** – Permission for full control of CCG.

Roles:

**"Operator",**  
**"Administrator"**

#### GET /ccgs/{id}

Permissions:

**"ccg"** – Permission for full control of CCG.

**"ccg:r"** – Permission to read CCG

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

#### PUT /ccgs/{id}

Permissions:

**"ccg"** – Permission for full control of CCG.

Roles:

**"Operator",**

**"Administrator"**

#### DELETE /ccgs/{id}

Permissions:

**"ccg"** – Permission for full control of CCG.

Roles:

**"Operator",**

**"Administrator"**

#### GET /classification-rules

Permissions:

**"class-rule"** – Permission for full control of classification rule.

**"class-rule:r"** – Permission to read classification rule

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

#### POST /classification-rules

Permissions:

**"class-rule"** – Permission for full control of classification rule.

Roles:

**"Operator",**

## "Administrator"

GET /classification-rules/{id}

Permissions:

**"class-rule"** – Permission for full control of classification rule.

**"class-rule:r"** – Permission to read classification rule

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

PUT /classification-rules/{id}

Permissions:

**"class-rule"** – Permission for full control of classification rule.

Roles:

**"Operator",**

**"Administrator"**

DELETE /classification-rules/{id}

Permissions:

**"class-rule"** – Permission for full control of classification rule.

Roles:

**"Operator",**

**"Administrator"**

GET /iot-profiles

Permissions:

**"iot-profile"** – Permission for full control of iot-profiles.

**"iot-profile:r"** – Permission to read iot-profiles.

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

#### POST /iot-profiles

Permissions:

**"iot-profile"** – Permission for full control of iot-profiles.

Roles:

**"Operator",**  
**"Administrator"**

#### GET /iot-profiles/{id}

Permissions:

**"iot-profile"** – Permission for full control of iot-profiles.

**"iot-profile:r"** – Permission to read iot-profiles.

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

#### PUT /iot-profiles/{id}

Permissions:

**"iot-profile"** – Permission for full control of iot-profiles.

Roles:

**"Operator",**  
**"Administrator"**

#### DELETE /iot-profiles/{id}

Permissions:

**"iot-profile"** – Permission for full control of iot-profiles.

Roles:

**"Operator",**  
**"Administrator"**

#### GET /l3-address-profiles

Permissions:

**"l3-address-profile"** – Permission for full control of L3 address profile.

**"l3-address-profile:r"** – Permission to read L3 address profile

Roles:

**"Operator",**

"Administrator",  
"Monitor",  
"Observer"

#### GET /radio-profiles

Permissions:

"radio-profile" – Permission for full control of radio profiles

"radio-profile:r" – Permission to read radio profiles

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### POST /radio-profiles

Permissions:

"radio-profile" – Permission for full control of radio profiles

Roles:

"Operator",  
"Administrator"

#### GET /radio-profiles/{id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

"radio-profile:r" – Permission to read radio profiles

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### PUT /radio-profiles/{id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

Roles:

"Operator",  
"Administrator",

DELETE /radio-profiles/{id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**

**"Administrator"**

GET /radio-profiles/channel-selection/{channel-selection-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

PUT /radio-profiles/channel-selection/{channel-selection-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**

**"Administrator"**

GET /radio-profiles/mac-ouis

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

POST /radio-profiles/mac-ouis

Permissions:



**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**  
**"Administrator"**

GET /radio-profiles/mac-ouis/{mac-oui-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Installer",**  
**"Observer"**

PUT /radio-profiles/mac-ouis/{mac-oui-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**  
**"Administrator"**

DELETE /radio-profiles/mac-ouis/{mac-oui-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**  
**"Administrator"**

GET /radio-profiles/miscellaneous/{radio-misc-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**

"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /radio-profiles/miscellaneous/{radio-misc-id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

Roles:

"Operator",  
"Administrator"

GET /radio-profiles/neighborhood-analysis/{neigh-analysis-id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

"radio-profile:r" – Permission to read radio profiles

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /radio-profiles/neighborhood-analysis/{neigh-analysis-id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

Roles:

"Operator",  
"Administrator"

GET /radio-profiles/radio-usage-opt/{radio-usage-opt-id}

Permissions:

"radio-profile" – Permission for full control of radio profiles

"radio-profile:r" – Permission to read radio profiles

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /radio-profiles/radio-usage-opt/{radio-usage-opt-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**

**"Administrator"**

GET /radio-profiles/sensor-scan/{sensor-scan-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

PUT /radio-profiles/sensor-scan/{sensor-scan-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

**"Operator",**

**"Administrator"**

GET /radio-profiles/wmm-qos/{radio-qos-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

**"radio-profile:r"** – Permission to read radio profiles

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

PUT /radio-profiles/wmm-qos/{radio-qos-id}

Permissions:

**"radio-profile"** – Permission for full control of radio profiles

Roles:

"Operator",  
"Administrator"

GET /ssids

Permissions:

"ssid" – Permission for full control of SSID

"ssid:r" – Permission to read SSID

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /ssids/{id}/:rename

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",  
"Administrator"

POST /ssids/{id}/cwp/:attach

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",  
"Administrator"

POST /ssids/{id}/cwp/:disable

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",  
"Administrator"

POST /ssids/{id}/cwp/:enable

Permissions:

"ssid" – Permission for full control of SSID

Roles:

**"Operator",**  
**"Administrator"**

PUT /ssids/{id}/mode/dot1x

Permissions:

**"ssid"** – Permission for full control of SSID

Roles:

**"Operator",**  
**"Administrator"**

PUT /ssids/{id}/mode/open

Permissions:

**"ssid"** – Permission for full control of SSID

Roles:

**"Operator",**  
**"Administrator"**

PUT /ssids/{id}/mode/ppsk

Permissions:

**"ssid"** – Permission for full control of SSID

Roles:

**"Operator",**  
**"Administrator"**

PUT /ssids/{id}/mode/psk

Permissions:

**"ssid"** – Permission for full control of SSID

Roles:

**"Operator",**  
**"Administrator"**

PUT /ssids/{id}/mode/wep

Permissions:

**"ssid"** – Permission for full control of SSID

Roles:

**"Operator",**

## "Administrator"

PUT /ssids/{id}/psk/password

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",

"Administrator"

POST /ssids/{id}/radius-server-group/:attach

Attach radius server group to an SSID

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",

"Administrator"

POST /ssids/{id}/user-profile/:attach

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",

"Administrator"

GET /ssids/advanced-settings/{id}

Permissions:

"ssid" – Permission for full control of SSID

"ssid:r" – Permission to read SSID

Roles:

"Operator",

"Administrator",

"Monitor",

"Installer",

"Observer"

PUT /ssids/advanced-settings/{id}

Permissions:

"ssid" – Permission for full control of SSID

Roles:

"Operator",  
"Administrator"

GET /user-profiles

Permissions:

"user-profile" – Permission for full control of user profile  
"user-profile:r" – Permission to read user profile

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

POST /user-profiles

Permissions:

"user-profile" – Permission for full control of user profile

Roles:

"Operator",  
"Administrator"

GET /user-profiles/{id}

Permissions:

"user-profile" – Permission for full control of user profile  
"user-profile:r" – Permission to read user profile

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

PUT /user-profiles/{id}

Permissions:

"user-profile" – Permission for full control of user profile

Roles:

"Operator",

## "Administrator"

DELETE /user-profiles/{id}

Permissions:

"user-profile" – Permission for full control of user profile

Roles:

"Operator",

"Administrator"

## Configuration - Network

No default permissions for this category

GET /tunnel-concentrators

Permissions:

NOT SET!

Roles:

NOT SET!

POST /tunnel-concentrators

Permissions:

NOT SET!

Roles:

NOT SET!

GET /tunnel-concentrators/{id}

Permissions:

NOT SET!

Roles:

NOT SET!

PUT /tunnel-concentrators/{id}

Permissions:

NOT SET!

Roles:

NOT SET!



DELETE /tunnel-concentrators/{id}

Permissions:

NOT SET!

Roles:

NOT SET!

## Configuration - Authentication

No default permissions for this category

GET /ad-servers

Permissions:

**"ad-server"** – Permission for full control of AD server

**"ad-server:r"** – Permission to read AD server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

GET /cwps

Permissions:

**"cwp"** – Permission for full control of captive web portals

**"cwp:r"** – Permission to read captive web portals

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

GET /ldap-servers

Permissions:

**"ldap-server"** – Permission for full control of LDAP server

**"ldap-server:r"** – Permission to read LDAP server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

## POST /ldap-servers

Permissions:

**"ldap-server"** – Permission for full control of LDAP server

Roles:

**"Operator",**

**"Administrator"**

## GET /ldap-servers/{id}

Permissions:

**"ldap-server"** – Permission for full control of LDAP server

**"ldap-server:r"** – Permission to read LDAP server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

## PUT /ldap-servers/{id}

Permissions:

**"ldap-server"** – Permission for full control of LDAP server

Roles:

**"Operator",**

**"Administrator"**

## DELETE /ldap-servers/{id}

Permissions:

**"ldap-server"** – Permission for full control of LDAP server

Roles:

**"Operator",**

**"Administrator"**

## GET /radius-client-objects

Permissions:

**"radius-client-object"** – Permission for full control of RADIUS client object

**"radius-client-object:r"** – Permission to read RADIUS client object

Roles:

**"Operator",**

"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### POST /radius-client-objects

Permissions:

"radius-client-object" – Permission for full control of RADIUS client object

Roles:

"Operator",  
"Administrator"

#### GET /radius-client-objects/{id}

Permissions:

"radius-client-object" – Permission for full control of RADIUS client object

"radius-client-object:r" – Permission to read RADIUS client object

Roles:

"Operator",  
"Administrator",  
"Monitor",  
"Installer",  
"Observer"

#### PUT /radius-client-objects/{id}

Permissions:

"radius-client-object" – Permission for full control of RADIUS client object

Roles:

"Operator",  
"Administrator"

#### DELETE /radius-client-objects/{id}

Permissions:

"radius-client-object" – Permission for full control of RADIUS client object

Roles:

"Operator",  
"Administrator"

#### GET /radius-proxies

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

**"radius-proxy:r"** – Permission to read RADIUS proxy

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

POST /radius-proxies

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

Roles:

**"Operator",**  
**"Administrator"**

GET /radius-proxies/{id}

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

**"radius-proxy:r"** – Permission to read RADIUS proxy

Roles:

**"Operator",**  
**"Administrator",**  
**"Monitor",**  
**"Observer"**

PUT /radius-proxies/{id}

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

Roles:

**"Operator",**  
**"Administrator"**

DELETE /radius-proxies/{id}

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

Roles:

**"Operator",**  
**"Administrator"**

#### GET /radius-proxies/devices

Permissions:

**"radius-proxy"** – Permission for full control of RADIUS proxy

**"radius-proxy:r"** – Permission to read RADIUS proxy

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Observer"**

#### GET /radius-servers/external

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

**"radius-server:r"** – Permission to read RADIUS server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

#### POST /radius-servers/external

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

#### GET /radius-servers/external/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

**"radius-server:r"** – Permission to read RADIUS server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

PUT /radius-servers/external/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

DELETE /radius-servers/external/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

GET /radius-servers/internal

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

**"radius-server:r"** – Permission to read RADIUS server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

POST /radius-servers/internal

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

DELETE /radius-servers/internal

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

GET /radius-servers/internal/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

**"radius-server:r"** – Permission to read RADIUS server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

PUT /radius-servers/internal/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

DELETE /radius-servers/internal/{id}

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

Roles:

**"Operator",**

**"Administrator"**

GET /radius-servers/internal/devices

Permissions:

**"radius-server"** – Permission for full control of RADIUS server

**"radius-server:r"** – Permission to read RADIUS server

Roles:

**"Operator",**

**"Administrator",**

**"Monitor",**

**"Installer",**

**"Observer"**

## Configuration - Certificate

Permissions:

"**certificate**" – Permission for all API calls in the Configuration - Certificate Section

"**certificate:r**" – Permission for all GET API calls in the Configuration – Certificate Section

### GET /certificates

Permissions:

No Specific permission - included with "*certificate*" and "*certificate:r*"

Roles:

"**Operator**",

"**Administrator**",

"**Monitor**",

"**Installer**",

"**Observer**"

## Copilot – Connectivity Experience

No default permissions for this category

### GET /copilot/connectivity/client-type

Permissions:

NOT SET!

Roles:

NOT SET!

### GET /copilot/connectivity/locations

Permissions:

NOT SET!

Roles:

NOT SET!

### GET /copilot/connectivity/wired/events

Permissions:

"**copilot-connectivity-wired:r**" – Permission to read copilot wired connectivity

Roles:

"**Operator**",

"**Monitor**",

"**Administrator**",



**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wired/experience

Permissions:

**"copilot-connectivity-wired:r"** – Permission to read copilot wired connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wired/hardware

Permissions:

**"copilot-connectivity-wired:r"** – Permission to read copilot wired connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wired/locations/hardware

Permissions:

**"copilot-connectivity-wired:r"** – Permission to read copilot wired connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wired/quality-index

Permissions:

**"copilot-connectivity-wired:r"** – Permission to read copilot wired connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**

**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wireless/apps

Permissions:

**"copilot-connectivity-wireless:r"** – Permission to read copilot wireless connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wireless/events

Permissions:

**"copilot-connectivity-wireless:r"** – Permission to read copilot wireless connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wireless/experience

Permissions:

**"copilot-connectivity-wireless:r"** – Permission to read copilot wireless connectivity

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/connectivity/wireless/locations/events

Permissions:

**"copilot-connectivity-wireless:r"** – Permission to read copilot wireless connectivity

Roles:

**"Operator",**  
**"Monitor",**

"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/locations/performance

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/locations/quality-index

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/locations/time-to-connect

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/performance

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",

"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/quality-index

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/time-to-connect

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

GET /copilot/connectivity/wireless/views

Permissions:

"copilot-connectivity-wireless:r" – Permission to read copilot wireless connectivity

Roles:

"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"

## Copilot – Anomalies

Permissions:

" copilot-anomalies:r" – Permission for all GET API calls in the Copilot Anomalies Section

#### GET /copilot/anomalies/adverse-traffic/device-stats

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### GET /copilot/anomalies/adverse-traffic/packet-counts

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### GET /copilot/anomalies/anomalies-by-category

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### GET /copilot/anomalies/device-by-location

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### GET /copilot/anomalies/device-with-locations

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### PUT /copilot/anomalies/devices/feedback

Permissions:

NOT SET!

Roles:

NOT SET!

#### PUT /copilot/anomalies/devices/update-action

Permissions:

NOT SET!

Roles:

NOT SET!

#### GET /copilot/anomalies/dfs-recurrence/channel-stats

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

#### GET /copilot/anomalies/dfs-recurrence/count-stats

Permissions:

No Specific permission - included with “*copilot-anomalies:r*”

Roles:

**"Operator",**

**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/locations

Permissions:

**"copilot-anomalies:r"** – Permission to read copilot anomalies

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/poeflapping/stats

Permissions:

No Specific permission - included with **"copilot-anomalies:r"**

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/notifications

Permissions:

No Specific permission - included with **"copilot-anomalies:r"**

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/port-efficiency/speed-duplex-stats

Permissions:

No Specific permission - included with **"copilot-anomalies:r"**

Roles:

**"Operator",**

**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/port-efficiency/stats

Permissions:

No Specific permission - included with *"copilot-anomalies:r"*

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/wifi-capacity/client-list

Permissions:

No Specific permission - included with *"copilot-anomalies:r"*

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/wifi-capacity/stats

Permissions:

No Specific permission - included with *"copilot-anomalies:r"*

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

GET /copilot/anomalies/report

Permissions:

No Specific permission - included with *"copilot-anomalies:r"*

Roles:

**"Operator",**



**"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"**

PUT /copilot/anomalies/update-action

Permissions:  
NOT SET!

Roles:  
NOT SET!

PUT / copilot/anomalies/update-device-action

Permissions:  
NOT SET!

Roles:  
NOT SET!

GET /copilot/anomalies/wifi-efficiency/client-list

Permissions:  
No Specific permission - included with *"copilot-anomalies:r"*

Roles:  
**"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"**

GET /copilot/anomalies/wifi-efficiency/stats

Permissions:  
No Specific permission - included with *"copilot-anomalies:r"*

Roles:  
**"Operator",  
"Monitor",  
"Administrator",  
"Observer",  
"Guest Management"**

GET /copilot/assurance-scans/overview

Permissions:

**"copilot-assurance-scans:r"** – Permission to read access to Copilot Assurance scan

Roles:

**"Operator",**  
**"Monitor",**  
**"Administrator",**  
**"Observer",**  
**"Guest Management"**

## Packet Capture

Permissions:

**"packet-capture "** – Permission for all API calls in the Packet Capture Section

**"packet-capture:r"** – Permission for all GET API calls in the Packet Capture Section

### GET /packetcaptures

Permissions:

No Specific permission - included with *"packet-capture"* and *"packet-capture:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

### POST /packetcaptures

Permissions:

No Specific permission - included with *"packet-capture"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator"**

### GET /packetcaptures/{id}

Permissions:

No Specific permission - included with *"packet-capture"* and *"packet-capture:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**

**"Monitor",**  
**"Installer"**  
**"Observer"**

Delete /packetcaptures/{id}

Permissions:

No Specific permission - included with *"packet-capture"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator"**

POST /packetcaptures/{id}/:stop

Permissions:

No Specific permission - included with *"packet-capture"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator"**

POST /packetcaptures/{id}/:upload

Permissions:

No Specific permission - included with *"packet-capture"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator"**

GET /packetcaptures/files

Permissions:

No Specific permission - included with *"packet-capture"* and *"packet-capture:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

## Essentials - ExtremeLocation

No default permissions for this category

GET /essentials/eloc/clients/{client-mac}/last-known-location

Permissions:

NOT SET!

Roles:

NOT SET!

## Misc - Metadata – Country

Permissions:

**"country"** – Permission for all API calls in the Metadata-Country Section

**"country:r"** – Permission for all GET API calls in the Metadata-Country Section

GET /countries

Permissions:

No Specific permission - included with *"country"* and *"country:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

GET /countries/{id}/:validate

Permissions:

No Specific permission - included with *"country"* and *"country:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

## License

Permissions:

**"licenses"** – Permission for all API calls in the License Section

**"licenses:r"** – Permission for all GET API calls in the License Section

#### GET /licenses

Permissions:

No Specific permission - included with *"licenses"* and *"licenses:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

#### POST /license/synchronize

Permissions:

NOT SET!

Roles:

NOT SET!

#### GET /licenses/{licenseType}

Permissions:

No Specific permission - included with *"licenses"* and *"licenses:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

#### GET /licenses/application-filter

Permissions:

No Specific permission - included with *"licenses"* and *"licenses:r"*

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**

## **“Observer”**

GET /licenses/extreme-portal-link-param

Permissions:

No Specific permission - included with “*licenses*” and “*licenses:r*”

Roles:

**"Operator",**  
**"Help Desk",**  
**"Administrator",**  
**"Monitor",**  
**"Installer"**  
**"Observer"**

POST /licenses/extreme-portal/:unlink

Permissions:

No Specific permission - included with “*licenses*”

Roles:

**"Operator",**  
**"Administrator"**

POST /licenses/legacy-license

Permissions:

No Specific permission - included with “*licenses*”

Roles:

**"Operator",**  
**"Administrator"**

DELETE /licenses/legacy-license/{id}

Permissions:

No Specific permission - included with “*licenses*”

Roles:

**"Operator",**  
**"Administrator"**

GET /licenses/nac-entitlement-allocation

Permissions:

No Specific permission - included with “*licenses*” and “*licenses:r*”

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer"  
"Observer"

#### PUT /licenses/nac-entitlement-allocation

Permissions:

No Specific permission - included with *"licenses"*

Roles:

"Operator",  
"Administrator"

#### GET /licenses/summary

Permissions:

No Specific permission - included with *"licenses"* and *"licenses:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer"  
"Observer"

#### GET /licenses/viq-cuid-info

Permissions:

No Specific permission - included with *"licenses"* and *"licenses:r"*

Roles:

"Operator",  
"Help Desk",  
"Administrator",  
"Monitor",  
"Installer"  
"Observer"

## APPENDIX – A

### API call list based on Roles

#### Administrator

All available API calls

#### Operator

All available API calls **except** for the following:

**POST** /users

**DELETE** /users/{id}

**PATCH** /users/{id}

**POST** /users/external

**DELETE** /users/external/{id}

**PATCH** /users/external/{id}

#### Monitor

POST /logout

POST /auth/apitoken

GET /auth/apitoken/info

GET /auth/permissions

POST /auth/permissions/:check

GET /operations/{operationId}

POST /account/:switch

GET /account/external

GET /account/home

GET /account/viq

GET /account/viq/default-device-password

GET /users

GET /users/{id}

GET /users/external

GET /users/external/{id}

GET /users/me

GET /hiq/context

GET /hiq/context/creating

GET /hiq/context/reading

GET /hiq/organizations

GET /hiq/status

GET /locations/building

GET /locations/building/{id}

GET /locations/floor

GET /locations/floor/{id}



GET /locations/site  
GET /locations/site/{id}  
GET /locations/tree  
GET /locations/tree/devices  
GET /locations/tree/maps  
GET /devices  
GET /devices/{id}  
GET /devices/{id}/alarms  
GET /devices/{id}/config/vlan-attributes  
GET /devices/{id}/config/vlan-ipv4-intf  
GET /devices/{id}/config/vlan-ipv4-static  
GET /devices/{id}/ftm-settings  
GET /devices/{id}/gallery-image  
GET /devices/{id}/history/cpu-mem  
GET /devices/{id}/ibeacon  
GET /devices/{id}/installation-report  
GET /devices/{id}/interfaces/wifi  
GET /devices/{id}/location  
GET /devices/{id}/monitor/ipv4-routing  
GET /devices/{id}/monitor/ipv4-routing-timeline  
GET /devices/{id}/monitor/vlan-attr  
GET /devices/{id}/monitor/vlan-ipv4-intf  
GET /devices/{id}/network-policy  
GET /devices/{id}/ssid/status  
GET /devices/digital-twin  
GET /devices/network-policy/{policyId}  
GET /devices/radio-information  
GET /devices/stats  
GET /network-policies  
GET /network-policies/{id}  
GET /network-policies/{id}/ssids  
GET /clients/{id}  
GET /clients/active  
GET /clients/active/count  
GET /clients/byMac/{clientMac}  
GET /clients/summary  
GET /clients/usage  
GET /applications  
GET /applications/{id}/clients/top{n}  
GET /applications/top{n}  
GET /alert-policies  
GET /alert-policies/{id}  
GET /alert-policies/{policyId}/rules/{ruleId}  
GET /alert-policies/available-sites

GET /alert-subscriptions/emails  
GET /alert-subscriptions/emails/{id}  
GET /alert-subscriptions/webhooks  
GET /alert-subscriptions/webhooks/{id}  
GET /alerts  
GET /alerts/count-by-{group}  
GET /alerts/reports/{id}  
GET /logs/accounting  
GET /logs/audit  
GET /logs/audit/reports/{id}  
GET /logs/auth  
GET /logs/credential  
GET /logs/email  
GET /logs/sms  
GET /subscriptions/webhook  
GET /deployments/overview  
GET /deployments/status  
GET /vlan-profiles  
GET /vlan-profiles/{id}  
GET /email-templates  
GET /endusers  
GET /pcgs/key-based  
GET /pcgs/key-based/network-policy-{policyId}/port-assignments  
GET /pcgs/key-based/network-policy-{policyId}/users  
GET /sms-templates  
GET /usergroups  
GET /ccgs  
GET /ccgs/{id}  
GET /classification-rules  
GET /classification-rules/{id}  
GET /iot-profiles  
GET /iot-profiles/{id}  
GET /l3-address-profiles  
GET /radio-profiles  
GET /radio-profiles/{id}  
GET /radio-profiles/channel-selection/{id}  
GET /radio-profiles/mac-ouis  
GET /radio-profiles/mac-ouis/{id}  
GET /radio-profiles/miscellaneous/{id}  
GET /radio-profiles/neighborhood-analysis/{id}  
GET /radio-profiles/radio-usage-opt/{id}  
GET /radio-profiles/sensor-scan/{id}  
GET /radio-profiles/wmm-qos/{id}  
GET /ssids

GET /ssids/advanced-settings/{id}  
GET /user-profiles  
GET /user-profiles/{id}  
GET /ad-servers  
GET /cwps  
GET /ldap-servers  
GET /ldap-servers/{id}  
GET /radius-client-objects  
GET /radius-client-objects/{id}  
GET /radius-proxies  
GET /radius-proxies/{id}  
GET /radius-proxies/devices  
GET /radius-servers/external  
GET /radius-servers/external/{id}  
GET /radius-servers/internal  
GET /radius-servers/internal/{id}  
GET /radius-servers/internal/devices  
GET /certificates  
GET /copilot/connectivity/wired/events  
GET /copilot/connectivity/wired/experience  
GET /copilot/connectivity/wired/hardware  
GET /copilot/connectivity/wired/locations/hardware  
GET /copilot/connectivity/wired/quality-index  
GET /copilot/connectivity/wireless/apps  
GET /copilot/connectivity/wireless/events  
GET /copilot/connectivity/wireless/experience  
GET /copilot/connectivity/wireless/locations/events  
GET /copilot/connectivity/wireless/locations/performance  
GET /copilot/connectivity/wireless/locations/quality-index  
GET /copilot/connectivity/wireless/locations/time-to-connect  
GET /copilot/connectivity/wireless/performance  
GET /copilot/connectivity/wireless/quality-index  
GET /copilot/connectivity/wireless/time-to-connect  
GET /copilot/connectivity/wireless/views  
GET /copilot/anomalies/adverse-traffic/device-stats  
GET /copilot/anomalies/adverse-traffic/packet-counts  
GET /copilot/anomalies/anomalies-by-category  
GET /copilot/anomalies/devices-by-location  
GET /copilot/anomalies/devices-with-locations  
GET /copilot/anomalies/dfs-recurrence/channel-stats  
GET /copilot/anomalies/dfs-recurrence/count-stats  
GET /copilot/anomalies/locations  
GET /copilot/anomalies/notifications  
GET /copilot/anomalies/poeflapping/stats

GET /copilot/anomalies/port-efficiency/speed-duplex-stats  
GET /copilot/anomalies/port-efficiency/stats  
GET /copilot/anomalies/report  
GET /copilot/anomalies/wifi-capacity/client-list  
GET /copilot/anomalies/wifi-capacity/stats  
GET /copilot/anomalies/wifi-efficiency/client-list  
GET /copilot/anomalies/wifi-efficiency/stats  
GET /copilot/assurance-scans/overview  
GET /packetcaptures  
GET /packetcaptures/{id}  
GET /packetcaptures/files  
GET /countries  
GET /countries/{countryCode}/:validate  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/application-filter  
GET /licenses/extreme-portal-link-param  
GET /licenses/nac-entitlement-allocation  
GET /licenses/summary  
GET /licenses/viq-cuid-info

### Installer

POST /logout  
POST /auth/apitoken  
POST /auth/permissions/:check  
GET /operations/{operationId}  
POST /account/:switch  
GET /account/external  
GET /account/home  
GET /account/viq  
GET /account/viq/default-device-password  
GET /users/me  
GET /hiq/context  
PUT /hiq/context  
GET /hiq/context/creating  
PUT /hiq/context/creating  
GET /hiq/context/reading  
PUT /hiq/context/reading  
GET /hiq/organizations  
GET /hiq/status  
POST /locations  
POST /locations/:init  
PUT /locations/{id}  
DELETE /locations/{id}

GET /locations/building  
POST /locations/building  
GET /locations/building/{id}  
PUT /locations/building/{id}  
DELETE /locations/building/{id}  
GET /locations/floor  
POST /locations/floor  
GET /locations/floor/{id}  
PUT /locations/floor/{id}  
DELETE /locations/floor/{id}  
POST /locations/floorplan  
GET /locations/site  
POST /locations/site  
GET /locations/site/{id}  
PUT /locations/site/{id}  
DELETE /locations/site/{id}  
GET /locations/tree  
GET /locations/tree/devices  
GET /locations/tree/maps  
GET /devices  
POST /devices/:advanced-onboard  
POST /devices/:cli  
POST /devices/:delete  
POST /devices/:manage  
POST /devices/:onboard  
POST /devices/:reboot  
POST /devices/:unmanage  
GET /devices/{id}  
DELETE /devices/{id}  
POST /devices/{id}/:cli  
POST /devices/{id}/:manage  
POST /devices/{id}/:reboot  
POST /devices/{id}/:reset  
POST /devices/{id}/:unmanage  
GET /devices/{id}/alarms  
POST /devices/{id}/bounce-port  
GET /devices/{id}/config/vlan-attributes  
POST /devices/{id}/config/vlan-attributes  
DELETE /devices/{id}/config/vlan-attributes  
PATCH /devices/{id}/config/vlan-attributes/{vlanId}  
GET /devices/{id}/config/vlan-ipv4-intf  
POST /devices/{id}/config/vlan-ipv4-intf  
DELETE /devices/{id}/config/vlan-ipv4-intf  
PATCH /devices/{id}/config/vlan-ipv4-intf/{ipv4InterfaceId}

GET /devices/{id}/config/vlan-ipv4-static  
POST /devices/{id}/config/vlan-ipv4-static  
DELETE /devices/{id}/config/vlan-ipv4-static  
PATCH /devices/{id}/config/vlan-ipv4-static/{ipv4StaticRouteId}  
PUT /devices/{id}/description  
GET /devices/{id}/ftm-settings  
PUT /devices/{id}/ftm-settings  
DELETE /devices/{id}/ftm-settings  
GET /devices/{id}/gallery-image  
GET /devices/{id}/history/cpu-mem  
PUT /devices/{id}/hostname  
GET /devices/{id}/ibeacon  
GET /devices/{id}/installation-report  
GET /devices/{id}/interfaces/wifi  
GET /devices/{id}/location  
PUT /devices/{id}/location  
DELETE /devices/{id}/location  
GET /devices/{id}/monitor/ipv4-routing  
GET /devices/{id}/monitor/ipv4-routing-timeline  
GET /devices/{id}/monitor/vlan-attr  
GET /devices/{id}/monitor/vlan-ipv4-intf  
GET /devices/{id}/network-policy  
PUT /devices/{id}/network-policy  
DELETE /devices/{id}/network-policy  
POST /devices/{id}/ssid/override  
GET /devices/{id}/ssid/status  
POST /devices/{id}/ssid/status/:change  
POST /devices/{id}/thread/commissioner/:start  
POST /devices/{id}/thread/commissioner/:stop  
POST /devices/country-code/:assign  
GET /devices/digital-twin  
PUT /devices/ibeacon  
POST /devices/location/:assign  
POST /devices/location/:query  
POST /devices/location/:revoke  
POST /devices/network-policy/:assign  
POST /devices/network-policy/:query  
POST /devices/network-policy/:revoke  
GET /devices/network-policy/{policyId}  
POST /devices/os/:change  
GET /devices/radio-information  
PUT /devices/radius-proxy/:assign  
DELETE /devices/radius-proxy/:revoke  
GET /devices/stats

GET /network-policies  
GET /network-policies/{id}  
GET /network-policies/{id}/ssids  
GET /clients/{id}  
GET /clients/active  
GET /clients/active/count  
GET /clients/byMac/{clientMac}  
GET /clients/summary  
GET /clients/usage  
GET /alert-policies  
GET /alert-policies/{id}  
GET /alert-policies/{policyId}/rules/{ruleId}  
GET /alert-policies/available-sites  
GET /alert-subscriptions/emails  
GET /alert-subscriptions/emails/{id}  
GET /alert-subscriptions/webhooks  
GET /alert-subscriptions/webhooks/{id}  
GET /alerts  
GET /alerts/count-by-{group}  
GET /alerts/reports/{id}  
GET /logs/accounting  
GET /logs/audit  
GET /logs/audit/reports/{id}  
GET /logs/auth  
GET /logs/credential  
GET /logs/email  
GET /logs/sms  
GET /deployments/overview  
GET /deployments/status  
GET /iot-profiles  
GET /iot-profiles/{id}  
GET /radio-profiles  
GET /radio-profiles/{id}  
GET /radio-profiles/channel-selection/{id}  
GET /radio-profiles/mac-ouis  
GET /radio-profiles/mac-ouis/{id}  
GET /radio-profiles/miscellaneous/{id}  
GET /radio-profiles/neighborhood-analysis/{id}  
GET /radio-profiles/radio-usage-opt/{id}  
GET /radio-profiles/sensor-scan/{id}  
GET /radio-profiles/wmm-qos/{id}  
GET /ssids  
GET /ssids/advanced-settings/{id}  
GET /user-profiles

GET /user-profiles/{id}  
GET /radius-client-objects  
GET /radius-client-objects/{id}  
GET /radius-servers/external  
GET /radius-servers/external/{id}  
GET /radius-servers/internal  
GET /radius-servers/internal/{id}  
GET /radius-servers/internal/devices  
GET /certificates  
GET /packetcaptures  
GET /packetcaptures/{id}  
GET /packetcaptures/files  
GET /countries  
GET /countries/{countryCode}/:validate  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/application-filter  
GET /licenses/extreme-portal-link-param  
GET /licenses/nac-entitlement-allocation  
GET /licenses/summary  
GET /licenses/viq-cuid-info

### Observer

POST /logout  
GET /auth/apitoken/info  
GET /auth/permissions  
POST /auth/permissions/:check  
GET /operations/{operationId}  
POST /account/:switch  
GET /account/external  
GET /account/home  
GET /account/viq  
GET /account/viq/default-device-password  
GET /users/me  
GET /hiq/context  
GET /hiq/context/creating  
GET /hiq/context/reading  
GET /hiq/organizations  
GET /hiq/status  
GET /locations/building  
GET /locations/building/{id}  
GET /locations/floor  
GET /locations/floor/{id}  
GET /locations/site



GET /locations/site/{id}  
GET /locations/tree  
GET /locations/tree/devices  
GET /locations/tree/maps  
GET /devices  
GET /devices/{id}  
GET /devices/{id}/alarms  
GET /devices/{id}/config/vlan-attributes  
GET /devices/{id}/config/vlan-ipv4-intf  
GET /devices/{id}/config/vlan-ipv4-static  
GET /devices/{id}/ftm-settings  
GET /devices/{id}/gallery-image  
GET /devices/{id}/history/cpu-mem  
GET /devices/{id}/ibeacon  
GET /devices/{id}/installation-report  
GET /devices/{id}/interfaces/wifi  
GET /devices/{id}/location  
GET /devices/{id}/monitor/ipv4-routing  
GET /devices/{id}/monitor/ipv4-routing-timeline  
GET /devices/{id}/monitor/vlan-attr  
GET /devices/{id}/monitor/vlan-ipv4-intf  
GET /devices/{id}/network-policy  
GET /devices/{id}/ssid/status  
GET /devices/digital-twin  
GET /devices/network-policy/{policyId}  
GET /devices/radio-information  
GET /devices/stats  
GET /network-policies  
GET /network-policies/{id}  
GET /network-policies/{id}/ssids  
GET /clients/{id}  
GET /clients/active  
GET /clients/active/count  
GET /clients/byMac/{clientMac}  
GET /clients/summary  
GET /clients/usage  
GET /applications  
GET /applications/{id}/clients/top{n}  
GET /applications/top{n}  
GET /alert-policies  
GET /alert-policies/{id}  
GET /alert-policies/{policyId}/rules/{ruleId}  
GET /alert-policies/available-sites  
GET /alert-subscriptions/emails

GET /alert-subscriptions/emails/{id}  
GET /alert-subscriptions/webhooks  
GET /alert-subscriptions/webhooks/{id}  
GET /alerts  
GET /alerts/count-by-{group}  
GET /alerts/reports/{id}  
GET /logs/accounting  
GET /logs/audit  
GET /logs/audit/reports/{id}  
GET /logs/auth  
GET /logs/credential  
GET /logs/email  
GET /logs/sms  
GET /subscriptions/webhook  
GET /deployments/overview  
GET /deployments/status  
GET /vlan-profiles  
GET /vlan-profiles/{id}  
GET /email-templates  
GET /endusers  
GET /pcgs/key-based  
GET /pcgs/key-based/network-policy-{policyId}/port-assignments  
GET /pcgs/key-based/network-policy-{policyId}/users  
GET /sms-templates  
GET /usergroups  
GET /ccgs  
GET /ccgs/{id}  
GET /classification-rules  
GET /classification-rules/{id}  
GET /iot-profiles  
GET /iot-profiles/{id}  
GET /l3-address-profiles  
GET /radio-profiles  
GET /radio-profiles/{id}  
GET /radio-profiles/channel-selection/{id}  
GET /radio-profiles/mac-ouis  
GET /radio-profiles/mac-ouis/{id}  
GET /radio-profiles/miscellaneous/{id}  
GET /radio-profiles/neighborhood-analysis/{id}  
GET /radio-profiles/radio-usage-opt/{id}  
GET /radio-profiles/sensor-scan/{id}  
GET /radio-profiles/wmm-qos/{id}  
GET /ssids  
GET /ssids/advanced-settings/{id}

GET /user-profiles  
GET /user-profiles/{id}  
GET /ad-servers  
GET /cwps  
GET /ldap-servers  
GET /ldap-servers/{id}  
GET /radius-client-objects  
GET /radius-client-objects/{id}  
GET /radius-proxies  
GET /radius-proxies/{id}  
GET /radius-proxies/devices  
GET /radius-servers/external  
GET /radius-servers/external/{id}  
GET /radius-servers/internal  
GET /radius-servers/internal/{id}  
GET /radius-servers/internal/devices  
GET /certificates  
GET /copilot/connectivity/wired/events  
GET /copilot/connectivity/wired/experience  
GET /copilot/connectivity/wired/hardware  
GET /copilot/connectivity/wired/locations/hardware  
GET /copilot/connectivity/wired/quality-index  
GET /copilot/connectivity/wireless/apps  
GET /copilot/connectivity/wireless/events  
GET /copilot/connectivity/wireless/experience  
GET /copilot/connectivity/wireless/locations/events  
GET /copilot/connectivity/wireless/locations/performance  
GET /copilot/connectivity/wireless/locations/quality-index  
GET /copilot/connectivity/wireless/locations/time-to-connect  
GET /copilot/connectivity/wireless/performance  
GET /copilot/connectivity/wireless/quality-index  
GET /copilot/connectivity/wireless/time-to-connect  
GET /copilot/connectivity/wireless/views  
GET /copilot/anomalies/adverse-traffic/device-stats  
GET /copilot/anomalies/adverse-traffic/packet-counts  
GET /copilot/anomalies/anomalies-by-category  
GET /copilot/anomalies/devices-by-location  
GET /copilot/anomalies/devices-with-locations  
GET /copilot/anomalies/dfs-recurrence/channel-stats  
GET /copilot/anomalies/dfs-recurrence/count-stats  
GET /copilot/anomalies/locations  
GET /copilot/anomalies/notifications  
GET /copilot/anomalies/poeflapping/stats  
GET /copilot/anomalies/port-efficiency/speed-duplex-stats

GET /copilot/anomalies/port-efficiency/stats  
GET /copilot/anomalies/report  
GET /copilot/anomalies/wifi-capacity/client-list  
GET /copilot/anomalies/wifi-capacity/stats  
GET /copilot/anomalies/wifi-efficiency/client-list  
GET /copilot/anomalies/wifi-efficiency/stats  
GET /copilot/assurance-scans/overview  
GET /packetcaptures  
GET /packetcaptures/{id}  
GET /packetcaptures/files  
GET /countries  
GET /countries/{countryCode}/:validate  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/application-filter  
GET /licenses/extreme-portal-link-param  
GET /licenses/nac-entitlement-allocation  
GET /licenses/summary  
GET /licenses/viq-cuid-info

### Help Desk

POST /logout  
POST /auth/permissions/:check  
GET /operations/{operationId}  
POST /account/:switch  
GET /account/external  
GET /account/home  
GET /account/viq  
GET /account/viq/default-device-password  
GET /users/me  
GET /hiq/context  
GET /hiq/context/creating  
GET /hiq/context/reading  
GET /hiq/organizations  
GET /hiq/status  
GET /locations/building  
GET /locations/building/{id}  
GET /locations/floor  
GET /locations/floor/{id}  
GET /locations/site  
GET /locations/site/{id}  
GET /locations/tree  
GET /locations/tree/devices  
GET /locations/tree/maps

GET /clients/{id}  
GET /clients/active  
GET /clients/active/count  
GET /clients/byMac/{clientMac}  
GET /clients/summary  
GET /clients/usage  
GET /alerts  
GET /alerts/count-by-{group}  
GET /alerts/reports/{id}  
GET /deployments/overview  
GET /deployments/status  
GET /endusers  
GET /packetcaptures  
POST /packetcaptures  
GET /packetcaptures/{id}  
DELETE /packetcaptures/{id}  
POST /packetcaptures/{id}/:stop  
POST /packetcaptures/{id}/:upload  
GET /packetcaptures/files  
GET /countries  
GET /countries/{countryCode}/:validate  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/application-filter  
GET /licenses/extreme-portal-link-param  
GET /licenses/nac-entitlement-allocation  
GET /licenses/summary  
GET /licenses/viq-cuid-info

### Application Operator

GET /logs/accounting  
GET /logs/audit  
GET /logs/audit/reports/{id}  
GET /logs/auth  
GET /logs/credential  
GET /logs/email  
GET /logs/sms

### Guest Management

POST /logout  
POST /auth/permissions/:check  
GET /operations/{operationId}  
POST /account/:switch

GET /account/external  
GET /account/home  
GET /account/viq  
GET /account/viq/default-device-password  
GET /deployments/overview  
GET /deployments/status  
GET /endusers  
GET /usergroups  
GET /copilot/connectivity/wired/events  
GET /copilot/connectivity/wired/experience  
GET /copilot/connectivity/wired/hardware  
GET /copilot/connectivity/wired/locations/hardware  
GET /copilot/connectivity/wired/quality-index  
GET /copilot/connectivity/wireless/apps  
GET /copilot/connectivity/wireless/events  
GET /copilot/connectivity/wireless/experience  
GET /copilot/connectivity/wireless/locations/events  
GET /copilot/connectivity/wireless/locations/performance  
GET /copilot/connectivity/wireless/locations/quality-index  
GET /copilot/connectivity/wireless/locations/time-to-connect  
GET /copilot/connectivity/wireless/performance  
GET /copilot/connectivity/wireless/quality-index  
GET /copilot/connectivity/wireless/time-to-connect  
GET /copilot/connectivity/wireless/views  
GET /copilot/anomalies/adverse-traffic/device-stats  
GET /copilot/anomalies/adverse-traffic/packet-counts  
GET /copilot/anomalies/anomalies-by-category  
GET /copilot/anomalies/devices-by-location  
GET /copilot/anomalies/devices-with-locations  
GET /copilot/anomalies/dfs-recurrence/channel-stats  
GET /copilot/anomalies/dfs-recurrence/count-stats  
GET /copilot/anomalies/locations  
GET /copilot/anomalies/notifications  
GET /copilot/anomalies/poeflapping/stats  
GET /copilot/anomalies/port-efficiency/speed-duplex-stats  
GET /copilot/anomalies/port-efficiency/stats  
GET /copilot/anomalies/report  
GET /copilot/anomalies/wifi-capacity/client-list  
GET /copilot/anomalies/wifi-capacity/stats  
GET /copilot/anomalies/wifi-efficiency/client-list  
GET /copilot/anomalies/wifi-efficiency/stats  
GET /copilot/assurance-scans/overview

## APPENDIX – B

### API call list based on Permission

#### logout

POST /logout

#### auth

POST /auth/permissions/:check

POST /auth/apitoken

POST /auth/apitoken/:validate

GET /auth/permissions

GET /auth/apitoken/info

#### auth:r

GET /auth/permissions

GET /auth/apitoken/info

#### token:new

POST /auth/apitoken

#### perm:check

POST /auth/permissions/:check

#### lro

POST /operations/{operationId}/:cancel

GET /operations/{operationId}

DELETE /operations/{operationId}

#### lro:r

GET /operations/{operationId}

## account

GET /account/viq/default-device-password  
PUT /account/viq/default-device-password  
POST /account/viq/:backup  
POST /account/:switch  
GET /account/viq  
GET /account/home  
GET /account/external

## account:switch

POST /account/:switch

## account:r

GET /account/viq/default-device-password  
GET /account/viq  
GET /account/home  
GET /account/external

## viq:backup

POST /account/viq/:backup

## user

GET /users  
POST /users  
GET /users/external  
POST /users/external  
GET /users/{id}  
DELETE /users/{id}  
PATCH /users/{id}  
GET /users/external/{id}  
DELETE /users/external/{id}  
PATCH /users/external/{id}  
GET /users/me

## user-me:r

GET /users/me



#### user:r

GET /users  
GET /users/external  
GET /users/{id}  
GET /users/external/{id}  
GET /users/me

#### hiq

GET /hiq/context  
PUT /hiq/context  
GET /hiq/context/reading  
PUT /hiq/context/reading  
GET /hiq/context/creating  
PUT /hiq/context/creating  
GET /hiq/organizations  
POST /hiq/organizations  
POST /hiq/organizations/{id}/:rename  
GET /hiq/status  
DELETE /hiq/organizations/{id}

#### hiq:r

GET /hiq/context  
GET /hiq/context/reading  
GET /hiq/context/creating  
GET /hiq/organizations  
GET /hiq/status

#### org

GET /hiq/organizations  
POST /hiq/organizations  
POST /hiq/organizations/{id}/:rename  
DELETE /hiq/organizations/{id}

#### org:new

POST /hiq/organizations

### org:del

DELETE /hiq/organizations/{id}

### org:rename

POST /hiq/organizations/{id}:/rename

### hiq.ctx

GET /hiq/context

PUT /hiq/context

GET /hiq/context/reading

PUT /hiq/context/reading

GET /hiq/context/creating

PUT /hiq/context/creating

### hiq.ctx:r

GET /hiq/context

GET /hiq/context/reading

GET /hiq/context/creating

### hiq.ctx:w

PUT /hiq/context

PUT /hiq/context/reading

PUT /hiq/context/creating

### device

GET /devices/{id}/network-policy

PUT /devices/{id}/network-policy

DELETE /devices/{id}/network-policy

GET /devices/{id}/location

PUT /devices/{id}/location

DELETE /devices/{id}/location

PUT /devices/{id}/hostname

GET /devices/{id}/ftm-settings

PUT /devices/{id}/ftm-settings

DELETE /devices/{id}/ftm-settings

PUT /devices/{id}/description

PUT /devices/radius-proxy/:assign

PUT /devices/ibeacon  
POST /devices/{id}/thread/commissioner/:stop  
POST /devices/{id}/thread/commissioner/:start  
POST /devices/{id}/ssid/status/:change  
POST /devices/{id}/ssid/override  
GET /devices/{id}/config/vlan-ipv4-static  
POST /devices/{id}/config/vlan-ipv4-static  
DELETE /devices/{id}/config/vlan-ipv4-static  
GET /devices/{id}/config/vlan-ipv4-intf  
POST /devices/{id}/config/vlan-ipv4-intf  
DELETE /devices/{id}/config/vlan-ipv4-intf  
GET /devices/{id}/config/vlan-attributes  
POST /devices/{id}/config/vlan-attributes  
DELETE /devices/{id}/config/vlan-attributes  
POST /devices/{id}/bounce-port  
POST /devices/{id}/:unmanage  
POST /devices/{id}/:reset  
POST /devices/{id}/:reboot  
POST /devices/{id}/:manage  
POST /devices/{id}/:cli  
POST /devices/os/:change  
POST /devices/network-policy/:revoke  
POST /devices/network-policy/:query  
POST /devices/network-policy/:assign  
POST /devices/location/:revoke  
POST /devices/location/:query  
POST /devices/location/:assign  
POST /devices/country-code/:assign  
POST /devices/:unmanage  
POST /devices/:reboot  
POST /devices/:onboard  
POST /devices/:manage  
POST /devices/:delete  
POST /devices/:cli  
POST /devices/:advanced-onboard  
PATCH /devices/{id}/config/vlan-ipv4-static/{ipv4StaticRouteId}  
PATCH /devices/{id}/config/vlan-ipv4-intf/{ipv4InterfaceId}  
PATCH /devices/{id}/config/vlan-attributes/{vlanId}  
GET /devices  
GET /devices/{id}  
DELETE /devices/{id}  
GET /devices/{id}/ssid/status  
GET /devices/{id}/monitor/vlan-ipv4-intf  
GET /devices/{id}/monitor/vlan-attr

GET /devices/{id}/monitor/ipv4-routing  
GET /devices/{id}/monitor/ipv4-routing-timeline  
GET /devices/{id}/interfaces/wifi  
GET /devices/{id}/installation-report  
GET /devices/{id}/ibeacon  
GET /devices/{id}/history/cpu-mem  
GET /devices/{id}/gallery-image  
GET /devices/{id}/alarms  
GET /devices/stats  
GET /devices/radio-information  
GET /devices/network-policy/{policyId}  
GET /devices/digital-twin  
DELETE /devices/radius-proxy/:revoke

#### device:r

GET /devices/{id}/network-policy  
GET /devices/{id}/location  
GET /devices/{id}/ftm-settings  
GET /devices/{id}/config/vlan-ipv4-static  
GET /devices/{id}/config/vlan-ipv4-intf  
GET /devices/{id}/config/vlan-attributes  
GET /devices  
GET /devices/{id}  
GET /devices/{id}/ssid/status  
GET /devices/{id}/monitor/vlan-ipv4-intf  
GET /devices/{id}/monitor/vlan-attr  
GET /devices/{id}/monitor/ipv4-routing  
GET /devices/{id}/monitor/ipv4-routing-timeline  
GET /devices/{id}/interfaces/wifi  
GET /devices/{id}/installation-report  
GET /devices/{id}/ibeacon  
GET /devices/{id}/history/cpu-mem  
GET /devices/{id}/gallery-image  
GET /devices/{id}/alarms  
GET /devices/stats  
GET /devices/radio-information  
GET /devices/network-policy/{policyId}  
GET /devices/digital-twin

#### device:list

GET /devices

#### device:view

GET /devices/{id}  
GET /devices/stats  
GET /devices/radio-information  
GET /devices/digital-twin

#### device:new

POST /devices/:onboard

#### device:del

POST /devices/:delete

#### device:cli

POST /devices/:cli

#### device:deploy

Permission not used

#### device:manage

POST /devices/:manage

#### device:unmanage

POST /devices/:unmanage

#### device:reboot

POST /devices/:reboot

#### device:reset

POST /devices/{id}/:reset

### device:thread-commissioner

POST /devices/{id}/thread/commissioner/:stop  
POST /devices/{id}/thread/commissioner/:start

### client

PUT /clients/alias  
GET /clients/{id}  
GET /clients/usage  
GET /clients/summary  
GET /clients/byMac/{clientMac}  
DELETE /clients/byMac/{clientMac}  
GET /clients/active  
GET /clients/active/count

### client:r

GET /clients/{id}  
GET /clients/usage  
GET /clients/summary  
GET /clients/byMac/{clientMac}  
GET /clients/active  
GET /clients/active/count

### locations

PUT /locations/{id}  
DELETE /locations/{id}  
GET /locations/site/{id}  
PUT /locations/site/{id}  
DELETE /locations/site/{id}  
GET /locations/floor/{id}  
PUT /locations/floor/{id}  
DELETE /locations/floor/{id}  
GET /locations/building/{id}  
PUT /locations/building/{id}  
DELETE /locations/building/{id}  
POST /locations  
GET /locations/site  
POST /locations/site  
GET /locations/floor

POST /locations/floor  
POST /locations/floorplan  
GET /locations/building  
POST /locations/building  
POST /locations/:init  
GET /locations/tree  
GET /locations/tree/maps  
GET /locations/tree/devices

#### locations:r

GET /locations/site/{id}  
GET /locations/floor/{id}  
GET /locations/building/{id}  
GET /locations/site  
GET /locations/floor  
GET /locations/building  
GET /locations/tree  
GET /locations/tree/maps  
GET /locations/tree/devices

#### network-policy

GET /network-policies/{id}  
PUT /network-policies/{id}  
DELETE /network-policies/{id}  
GET /network-policies  
POST /network-policies  
POST /network-policies/{id}/ssids/remove  
POST /network-policies/{id}/ssids/add  
GET /network-policies/{id}/ssids

#### policy:ssid

POST /network-policies/{id}/ssids/remove  
POST /network-policies/{id}/ssids/add

#### network-policy:r

GET /network-policies/{id}  
GET /network-policies  
GET /network-policies/{id}/ssids

## ssid

PUT /ssids/{id}/psk/password  
PUT /ssids/{id}/mode/wep  
PUT /ssids/{id}/mode/psk  
PUT /ssids/{id}/mode/ppsk  
PUT /ssids/{id}/mode/open  
PUT /ssids/{id}/mode/dot1x  
GET /ssids/advanced-settings/{id}  
PUT /ssids/advanced-settings/{id}  
POST /ssids/{id}/user-profile/:attach  
POST /ssids/{id}/radius-server-group/:attach  
POST /ssids/{id}/cwp/:enable  
POST /ssids/{id}/cwp/:disable  
POST /ssids/{id}/cwp/:attach  
POST /ssids/{id}/:rename  
GET /ssids

## ssid:r

GET /ssids/advanced-settings/{id}  
GET /ssids

## pcg:key

GET /pcgs/key-based/network-policy-{policyId}/users  
PUT /pcgs/key-based/network-policy-{policyId}/users  
POST /pcgs/key-based/network-policy-{policyId}/users  
DELETE /pcgs/key-based/network-policy-{policyId}/users  
GET /pcgs/key-based  
POST /pcgs/key-based  
GET /pcgs/key-based/network-policy-{policyId}/port-assignments  
POST /pcgs/key-based/network-policy-{policyId}/port-assignments  
POST /pcgs/key-based/network-policy-{policyId}/keys/:generate  
POST /pcgs/key-based/network-policy-{policyId}/keys/:email  
POST /pcgs/key-based/network-policy-{policyId}/:onboard  
DELETE /pcgs/key-based/network-policy-{policyId}

## pcg:key:r

GET /pcgs/key-based/network-policy-{policyId}/users  
GET /pcgs/key-based  
GET /pcgs/key-based/network-policy-{policyId}/port-assignments



### subscriptions-webhook

GET /subscriptions/webhook  
POST /subscriptions/webhook  
DELETE /subscriptions/webhook/{id}

### subscriptions-webhook:r

GET /subscriptions/webhook

### ccg

GET /ccgs/{id}  
PUT /ccgs/{id}  
DELETE /ccgs/{id}  
GET /ccgs  
POST /ccgs

### ccg:r

GET /ccgs/{id}  
GET /ccgs

### log

POST /logs/audit/reports  
GET /logs/sms  
GET /logs/email  
GET /logs/credential  
GET /logs/auth  
GET /logs/audit  
GET /logs/audit/reports/{id}  
GET /logs/accounting

### log:r

GET /logs/sms  
GET /logs/email  
GET /logs/credential  
GET /logs/auth  
GET /logs/audit  
GET /logs/audit/reports/{id}

GET /logs/accounting

cwp

GET /cwps

cwp:r

GET /cwps

sms-tmpl

GET /sms-templates

sms-tmpl:r

GET /sms-templates

class-rule

GET /classification-rules/{id}

PUT /classification-rules/{id}

DELETE /classification-rules/{id}

GET /classification-rules

POST /classification-rules

class-rule:r

GET /classification-rules/{id}

GET /classification-rules

user-profile

GET /user-profiles/{id}

PUT /user-profiles/{id}

DELETE /user-profiles/{id}

GET /user-profiles

POST /user-profiles

user-profile:r

GET /user-profiles/{id}

GET /user-profiles

### radius-proxy

GET /radius-proxies/{id}  
PUT /radius-proxies/{id}  
DELETE /radius-proxies/{id}  
GET /radius-proxies  
POST /radius-proxies  
GET /radius-proxies/devices

### radius-proxy:r

GET /radius-proxies/{id}  
GET /radius-proxies  
GET /radius-proxies/devices

### radius-server

GET /radius-servers/internal/{id}  
PUT /radius-servers/internal/{id}  
DELETE /radius-servers/internal/{id}  
GET /radius-servers/external/{id}  
PUT /radius-servers/external/{id}  
DELETE /radius-servers/external/{id}  
GET /radius-servers/internal  
POST /radius-servers/internal  
DELETE /radius-servers/internal  
GET /radius-servers/external  
POST /radius-servers/external  
GET /radius-servers/internal/devices

### radius-server:r

GET /radius-servers/internal/{id}  
GET /radius-servers/external/{id}  
GET /radius-servers/internal  
GET /radius-servers/external  
GET /radius-servers/internal/devices

### usergroup

PUT /usergroups/{id}

DELETE /usergroups/{id}  
GET /usergroups  
POST /usergroups

#### usergroup:r

GET /usergroups

#### deployment

POST /deployments  
GET /deployments/status  
GET /deployments/overview

#### deployment:r

GET /deployments/status  
GET /deployments/overview

#### ad-server

GET /ad-servers

#### ad-server:r

GET /ad-servers

#### alert

POST /alerts/reports  
POST /alerts/:acknowledge  
GET /alerts  
GET /alerts/reports/{id}  
GET /alerts/count-by-{group}

#### alert:r

GET /alerts  
GET /alerts/reports/{id}  
GET /alerts/count-by-{group}

## alert-policies

GET /alert-policies/{policyId}/rules/{ruleId}  
PUT /alert-policies/{policyId}/rules/{ruleId}  
GET /alert-policies/{id}  
PUT /alert-policies/{id}  
DELETE /alert-policies/{id}  
GET /alert-policies  
POST /alert-policies  
POST /alert-policies/{policyId}/rules/{ruleId}/:enable  
POST /alert-policies/{policyId}/rules/{ruleId}/:disable  
GET /alert-policies/available-sites

## alert-policies:r

GET /alert-policies/{policyId}/rules/{ruleId}  
GET /alert-policies/{id}  
GET /alert-policies  
GET /alert-policies/available-sites

## alert-subscriptions

GET /alert-subscriptions/webhooks/{id}  
PUT /alert-subscriptions/webhooks/{id}  
DELETE /alert-subscriptions/webhooks/{id}  
GET /alert-subscriptions/emails/{id}  
PUT /alert-subscriptions/emails/{id}  
DELETE /alert-subscriptions/emails/{id}  
GET /alert-subscriptions/webhooks  
POST /alert-subscriptions/webhooks  
POST /alert-subscriptions/webhooks/:delete  
GET /alert-subscriptions/emails  
POST /alert-subscriptions/emails  
POST /alert-subscriptions/emails/{id}/:verify  
POST /alert-subscriptions/emails/:delete

## alert-subscriptions:r

GET /alert-subscriptions/webhooks/{id}  
GET /alert-subscriptions/emails/{id}  
GET /alert-subscriptions/webhooks  
GET /alert-subscriptions/emails

## app

GET /applications  
GET /applications/{id}/clients/top{n}  
GET /applications/top{n}

## application:r

GET /applications  
GET /applications/{id}/clients/top{n}  
GET /applications/top{n}

## l3-address-profile

GET /l3-address-profiles

## l3-address-profile:r

GET /l3-address-profiles

## vlan-profile

GET /vlan-profiles  
POST /vlan-profiles  
POST /vlan-profiles/:delete  
GET /vlan-profiles/{id}  
DELETE /vlan-profiles/{id}  
PATCH /vlan-profiles/{id}

## vlan-profile:r

GET /vlan-profiles  
GET /vlan-profiles/{id}

## enduser

PUT /endusers/{id}  
DELETE /endusers/{id}  
GET /endusers  
POST /endusers  
POST /endusers/{id}/:regenerate-password

## enduser:r

GET /endusers

## radius-client-object

GET /radius-client-objects/{id}

PUT /radius-client-objects/{id}

DELETE /radius-client-objects/{id}

GET /radius-client-objects

POST /radius-client-objects

## radius-client-object:r

GET /radius-client-objects/{id}

GET /radius-client-objects

## ldap-server

GET /ldap-servers/{id}

PUT /ldap-servers/{id}

DELETE /ldap-servers/{id}

GET /ldap-servers

POST /ldap-servers

## ldap-server:r

GET /ldap-servers/{id}

GET /ldap-servers

## email-template

GET /email-templates

## email-template:r

GET /email-templates

## certificate

GET /certificates

## certificate:r

GET /certificates

## radio-profile

GET /radio-profiles/{id}  
PUT /radio-profiles/{id}  
DELETE /radio-profiles/{id}  
GET /radio-profiles/wmm-qos/{id}  
PUT /radio-profiles/wmm-qos/{id}  
GET /radio-profiles/sensor-scan/{id}  
PUT /radio-profiles/sensor-scan/{id}  
GET /radio-profiles/radio-usage-opt/{id}  
PUT /radio-profiles/radio-usage-opt/{id}  
GET /radio-profiles/neighborhood-analysis/{id}  
PUT /radio-profiles/neighborhood-analysis/{id}  
GET /radio-profiles/miscellaneous/{id}  
PUT /radio-profiles/miscellaneous/{id}  
GET /radio-profiles/mac-ouis/{id}  
PUT /radio-profiles/mac-ouis/{id}  
DELETE /radio-profiles/mac-ouis/{id}  
GET /radio-profiles/channel-selection/{id}  
PUT /radio-profiles/channel-selection/{id}  
GET /radio-profiles  
POST /radio-profiles  
GET /radio-profiles/mac-ouis  
POST /radio-profiles/mac-ouis

## radio-profile:r

GET /radio-profiles/{id}  
GET /radio-profiles/wmm-qos/{id}  
GET /radio-profiles/sensor-scan/{id}  
GET /radio-profiles/radio-usage-opt/{id}  
GET /radio-profiles/neighborhood-analysis/{id}  
GET /radio-profiles/miscellaneous/{id}  
GET /radio-profiles/mac-ouis/{id}  
GET /radio-profiles/channel-selection/{id}  
GET /radio-profiles  
GET /radio-profiles/mac-ouis



## iot-profile

GET /iot-profiles/{id}  
PUT /iot-profiles/{id}  
DELETE /iot-profiles/{id}  
GET /iot-profiles  
POST /iot-profiles

## iot-profile:r

GET /iot-profiles/{id}  
GET /iot-profiles

## copilot-connectivity-wired:r

GET /copilot/connectivity/wired/quality-index  
GET /copilot/connectivity/wired/locations/hardware  
GET /copilot/connectivity/wired/hardware  
GET /copilot/connectivity/wired/experience  
GET /copilot/connectivity/wired/events

## copilot-connectivity-wireless:r

GET /copilot/connectivity/wireless/views  
GET /copilot/connectivity/wireless/time-to-connect  
GET /copilot/connectivity/wireless/quality-index  
GET /copilot/connectivity/wireless/performance  
GET /copilot/connectivity/wireless/locations/time-to-connect  
GET /copilot/connectivity/wireless/locations/quality-index  
GET /copilot/connectivity/wireless/locations/performance  
GET /copilot/connectivity/wireless/locations/events  
GET /copilot/connectivity/wireless/experience  
GET /copilot/connectivity/wireless/events  
GET /copilot/connectivity/wireless/apps

## copilot-anomalies:r

GET /copilot/anomalies/wifi-efficiency/stats  
GET /copilot/anomalies/wifi-efficiency/client-list  
GET /copilot/anomalies/wifi-capacity/stats  
GET /copilot/anomalies/wifi-capacity/client-list  
GET /copilot/anomalies/report  
GET /copilot/anomalies/port-efficiency/stats

GET /copilot/anomalies/port-efficiency/speed-duplex-stats  
GET /copilot/anomalies/poeflapping/stats  
GET /copilot/anomalies/notifications  
GET /copilot/anomalies/locations  
GET /copilot/anomalies/dfs-recurrence/count-stats  
GET /copilot/anomalies/dfs-recurrence/channel-stats  
GET /copilot/anomalies/devices-with-locations  
GET /copilot/anomalies/devices-by-location  
GET /copilot/anomalies/anomalies-by-category  
GET /copilot/anomalies/adverse-traffic/packet-counts  
GET /copilot/anomalies/adverse-traffic/device-stats

## licenses

GET /licenses/nac-entitlement-allocation  
PUT /licenses/nac-entitlement-allocation  
POST /licenses/legacy-licenses  
POST /licenses/extreme-portal/:unlink  
POST /licenses/:synchronize  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/viq-cuid-info  
GET /licenses/summary  
GET /licenses/extreme-portal-link-param  
GET /licenses/application-filter  
DELETE /licenses/legacy-licenses/{id}

## licenses:r

GET /licenses/nac-entitlement-allocation  
GET /licenses  
GET /licenses/{licenseType}  
GET /licenses/viq-cuid-info  
GET /licenses/summary  
GET /licenses/extreme-portal-link-param  
GET /licenses/application-filter

## copilot-assurance-scans:r

GET /copilot/assurance-scans/overview

## packet-capture

GET /packetcaptures  
POST /packetcaptures  
POST /packetcaptures/{id}/:upload  
POST /packetcaptures/{id}/:stop  
GET /packetcaptures/{id}  
DELETE /packetcaptures/{id}  
GET /packetcaptures/files

## packet-capture:r

GET /packetcaptures  
GET /packetcaptures/{id}  
GET /packetcaptures/files

## country

GET /countries  
GET /countries/{countryCode}/:validate

## country:r

GET /countries  
GET /countries/{countryCode}/:validate