



Cisco: Meraki [API] PowerPack Release Notes

Version 106

Table of Contents

Overview	3
Before You Install or Upgrade	3
Installation or Upgrade Process	3
Features	4
Enhancements and Issues Addressed	5
Known Issues	6

Overview

Version 106 of the *Cisco: Meraki [API] PowerPack* includes updates to several Dynamic Applications.

- **Minimum Required Platform Version:** 8.7.1.2
- **Support Status:** Beta

This document describes:

- [Pre-installation or pre-upgrade information](#)
- [The installation process for the PowerPack](#)
- [The features included in version 106](#)
- [The enhancements and issues addressed in version 106](#)
- [The known issues that affect version 106](#)

Before You Install or Upgrade

Ensure that you are running version 8.7.1.2 or later of the ScienceLogic platform before installing the *Cisco: Meraki [API] PowerPack* version 106.

NOTE: For details on upgrading the ScienceLogic platform, see the appropriate ScienceLogic [Release Notes](#).

Installation or Upgrade Process

To install or upgrade to version 106 of the *Cisco: Meraki [API] PowerPack*:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. If you have not done so already, upgrade your system to the 8.7.1.2 or later release.
3. If you are upgrading from *Cisco: Meraki [API] PowerPack* version 100, then you must delete your existing Meraki component devices before installing version 106. To do so:
 - Go to the **Device Components** page (Registry > Devices > Device Components) and select the check box for the Meraki Cloud Controller device.
 - Select *DELETE Selected Devices* in the **Select Action** drop-down field, and then click **[Go]**. The Meraki component devices are deleted.
 - Repeat these steps to delete the Meraki Cloud Controller root device.

NOTE: You must rediscover your Meraki component devices after installing version 106.

4. Download version 106 of the *Cisco: Meraki [API]* PowerPack from the Customer Portal to a local computer.
5. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 106 of the *Cisco: Meraki [API]* PowerPack.
6. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

NOTE: After installing the *Cisco: Meraki [API]* PowerPack, you must disable the "Data Collection: Async Dynamic App Collection" process prior to discovering your Meraki system. If you later decide to delete all Meraki devices and re-enable this process on your ScienceLogic system, you must first log in to the ScienceLogic Database Server or Data Collector to delete any asynchronous processes that are already queued up. Failing to do so can cause the system to stop all collections. For more information, see the **Monitoring Cisco Meraki (API)** manual.

Features

The following features are included in version 106 of the *Cisco: Meraki [API]* PowerPack:

- Dynamic Applications to discover and monitor Cisco Meraki devices
- Device Classes for each type of Meraki component device the ScienceLogic platform monitors
- Event Policies that are triggered when Meraki component devices meet certain status criteria
- Sample Credentials for discovering Cisco Meraki devices:
 - A SOAP/XML Credential for users who connect to the Meraki API through a third-party proxy server
 - A SOAP/XML Credential for users who want to discover only select devices
 - A Basic/Snippet Credential for users who do not fall into either of the two above categories.
- Run Book Action and Automation policies that perform the following actions:
 - Locate and (if needed) update the SNMP credential used for discovery
 - Create a Meraki Cloud Controller virtual device during discovery

NOTE: The *Cisco: Meraki [API]* PowerPack includes some Event Policies that can generate events in the ScienceLogic platform based on emails the platform receives from Cisco Meraki. To enable the platform to generate these events from email, you must first configure your Meraki devices to send email to the platform using certain formatting rules. You must then configure the platform to generate events from the inbound Meraki emails. For instructions, see the **Monitoring Cisco Meraki (API)** manual.

CAUTION: The email Event Policies included in the *Cisco: Meraki [API]* PowerPack each have an expiry delay setting that specifies the amount of time after which an active event is automatically cleared from the ScienceLogic platform if the event has not reoccurred. However, the platform clearing an event for reaching its expiry delay setting does not mean that the initial condition that caused the event has been resolved.

NOTE: If your Meraki system has only SNMP v3 enabled, you must create an SNMP v3 credential (not included in the PowerPack) for the system that you are discovering. However, you do not need to select this credential during discovery; the Run Book Action and Automation policies included in the PowerPack gather this credential information automatically. For more information, see the *Monitoring Cisco Meraki (API)* manual.

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 106 of the *Cisco: Meraki [API]* PowerPack:

- The "Cisco: Meraki Network Discovery [API]" Dynamic Application was updated to enable users whose Meraki devices are not configured for SNMP V3 to disable the behavior that searches for an SNMP V3 credential to use when monitoring Meraki devices and triggers an event if one cannot be found. With this update, to disable that SNMP credential update event, you can click the **[Snippets]** tab in the "Cisco: Meraki Network Discovery [API]" Dynamic Application, edit the "Network Discovery" snippet to change `snmp_update=True` to `snmp_update=False`, and then click **[Save]**.

CAUTION: If your Meraki devices are configured for SNMP V3 but you have the `snmp_update=False` value in the "Network Discovery" snippet, SL1 will not be able to collect the SNMP data for the "Cisco: Meraki Interface Performance [API]" and "Cisco: Meraki Device Configuration [API]" Dynamic Applications. You will need to change the value back to `snmp_update=True` to enable SL1 to update the SNMP V3 credential and collect SNMP data from the Meraki devices.

NOTE: This change does not affect users whose Meraki devices are configured for SNMP V2.

- The "Cisco: Meraki Interface Performance [API]" Dynamic Application was updated to be disabled by default and to no longer be auto-aligned by the "Cisco: Meraki Device Discovery [API]" Dynamic Application.
- A new "Cisco: Meraki Uplink Performance [API]" Dynamic Application was added to the PowerPack, as well as an event that is generated when the uplink utilization exceeds 90%.
- The following Device Classes were added to the PowerPack:
 - Meraki Z-Series Device
 - Meraki vMX10

(Support ID: 178678)

- An issue was addressed that was causing "Cisco: Meraki API failure rate exceeded threshold (10.0%), currently 100.0%" error messages to appear in the Device Log whenever SL1 went over the Meraki API request threshold, regardless of the actual failure rate. (Support ID: 178377)

Known Issues

The following known issue affects version 106 of the *Cisco: Meraki [API] PowerPack*:

- Due to a limitation in the number of requests that Meraki can handle per second, data collection gaps might occur when monitoring larger scale systems.
- Because there is no way to tag organizations, the *Cisco: Meraki [API] PowerPack* has no way of filtering out particular organizations during discovery. Therefore, the PowerPack will discover every organization that the API key returns.

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