Cisco: Meraki [API] PowerPack Release Notes

Version 113

Overview

Version 113 of the *Cisco: Meraki [API]* PowerPack adds multiple Dynamic Applications, run book automation and action policies, adds a new Device adds the "Product Type" collection object to the "Cisco: Meraki Device Discovery [API]" Dynamic Application, and addresses an issue that caused the "Cisco: Meraki [API] Request Manager" Dynamic Application to fail and trigger the "Cisco: Meraki API Failure Rate Exceeded" event policy .

- **Minimum Required SL1 Version**: 11.2.0

Before You Install or Upgrade

Ensure that you are running version 11.2.0 or later of SL1 before installing *Cisco: Meraki [API]* version 113.

NOTE: For details on upgrading SL1, see the appropriate Release Notes.

Installing or Upgrading the PowerPack

IMPORTANT: If you are upgrading from a version of the *Cisco: Meraki [API]* PowerPack earlier than version 106, ScienceLogic does not guarantee the success of the upgrade.

Additionally, customers that are upgrading directly from the version 107 Limited Availability release might need to perform the following steps for collection to work:

1. Locate the Cisco Meraki physical device and click its bar graph icon ().
2. On the **Device Summary** page, click the **Events** tab.
3. Locate all the events labeled "Cisco: Meraki Cloud Controller discovered as a component of organization...", select their checkbox(es), and then click the **[Del]** button to delete the events.
4. After the events are deleted, the "Cisco: Meraki Cloud Controller Creation" run book action will run automatically and collection will work.

To install or upgrade to Version 113 of the *Cisco: Meraki [API]* PowerPack, perform the following steps:

1. Familiarize yourself with the ***Known Issues*** for this release.
2. If you have not done so already, upgrade your system to the **Minimum Required SL1 Version**: 11.2.0 or later release.
3. Download Version 113 of the *Cisco: Meraki [API]* PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import Version 113 of the *Cisco: Meraki [API]* PowerPack.
5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

NOTE: After installing the PowerPack, you might want to disable the "Data Collection: Async Dynamic App Collection" process prior to discovering your Meraki system. Asynchronous collection can cause slower device discovery. For more information, see the ***Monitoring Cisco Meraki (API)*** manual.

NOTE: After upgrading the PowerPack, you must delete all SNMP Dynamic Applications that were included in previous versions of the PowerPack. These Dynamic Applications will not function correctly with newer versions of the PowerPack, and upgrading the PowerPack will not automatically remove them.

Features

Version 113 of the *Cisco: Meraki [API]* PowerPack includes the following features:

- Dynamic Applications to discover and monitor Cisco Meraki devices, networks, and organizations
- Device classes for each type of Meraki component device SL1 monitors
- Event policies that are triggered when Meraki component devices, networks, and organizations 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:
    - Create a virtual device that represents a Meraki organization during discovery
    - Vanish devices and child devices
    - Reboot devices
    - Change switch configurations

NOTE: The PowerPack includes some event policies that can generate events in SL1 based on emails SL1 receives from Cisco Meraki. To enable SL1 to generate these events from email, you must first configure your Meraki devices to send email to SL1 using certain formatting rules. You must then configure SL1 to generate events from the inbound Meraki emails. For instructions, see the ***Monitoring Cisco Meraki (API)*** manual.

ScienceLogic recommends configuring webhooks in SL1 and Meraki to receive these alerts if you are using SL1 version 11.2 or later. For more information about webooks, see the ***Events*** manual. Contact your client success manager if you have additional questions on how to implement Meraki webhooks.

CAUTION: The email event policies included in the PowerPack each have an expiration delay setting that specifies the amount of time after which an active event is automatically cleared from SL1 if the event has not reoccurred. However, clearing an event for reaching its expiration delay setting does not mean that the initial condition that caused the event has been resolved.

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 113 of the *Cisco: Meraki [API]* PowerPack:

- Updated the "Cisco: Meraki Request Manager [API]" Dynamic Application to only perform a request if a Dynamic Application is enabled.
- Added the "Product Type" collection object to the "Cisco: Meraki Device Discovery [API]" Dynamic Application.
- Added the "Cisco: Meraki Switch Port Status Configuration [API]" Dynamic Application. This Dynamic Application is disabled by default and must be manually aligned. This Dynamic Application collects configuration information about switch ports using the serial number of the switch. This Dynamic Application will only display results for switch devices.
- Added the "Cisco: Meraki Switch Status Configuration [API]" Dynamic Application. This Dynamic Application collects information about switch ports configuration endpoints.
- Added the "Cisco: Meraki Update Switch Configuration [API]" run book action policy to allow customizable configuration changes to Meraki switch devices. This action policy is disabled by default.
- Added the "Cisco: Meraki Update Switch Port Config" and "Cisco: Meraki Update Switch Port Config [Manual Execution]" run book automation policies. These automation policies are disabled by default.

WARNING: The "Cisco: Meraki Update Switch Configuration [API]" run book action policy and its associated automation policies will allow SL1 to make configuration changes to Meraki switch devices. These policies are experimental and should be turned on only by a user with extensive knowledge of the effects that these actions will have on your network and devices. ScienceLogic recommends caution when enabling this action policy in a production environment.

- Addressed an issue that caused the "Cisco: Meraki [API] Request Manager" Dynamic Application to fail and trigger the "Cisco: Meraki API Failure Rate Exceeded" event policy when the API request encountered a VPN that was not enabled. Now, the calls made to the endpoint used by the "Cisco: Meraki VPN Status [API]" Dynamic Application are only made if at least one instance of the Dynamic Application is aligned to a device. Additional instances of the Dynamic Application aligned to other devices do not add to the number of calls made to the endpoint, and only one call is made per Polling Interval of the "Cisco: Meraki Request Manager [API]" Dynamic Application to get the VPN information for the entire organization. (Support Case: 00345947)
- Renamed the "Cisco: Meraki Reboot Device" manual run book action policy to "Cisco: Meraki Reboot Device [Manual Execution] and added the "Cisco: Meraki Reboot Device" run book automation policy, which can be automatically aligned to an event . This automation policy is disabled by default.

Known Issues

The following known issues affect version 113 of the *Cisco: Meraki [API]* PowerPack:

- The Meraki API may not always send a "retry header". If this occurs, the PowerPack does not retry the API call, which will result in a gap in data when it occurs. This will be addressed in a future version of the PowerPack.
- If a Cisco Meraki device name includes a special character, the device name will appear in hexadecimal values on the **Device Components** page.
- The Meraki Organization will not be modeled after discovery if the Meraki organization has an apostrophe in its name.
- 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.
- The PowerPack cannot filter out particular organizations during discovery and will discover every organization that the API key returns.

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