

Cisco Meraki Integration

More complete device profile data can now be exchanged between Cisco Meraki Management Station and Asset Manager Enterprise 3.3.4 and beyond.

How It Works

Prerequisites

1. The user generating the Meraki Management Station API access key must have organizational-level read access.

The Process

1. Configure the Meraki integration in Asset Manager.
2. The Asset Manager system calls the Meraki API and processes its responses.
3. Asset Manager synthesizes the responses and then either creates or updates a device on Asset Manager.

IF the device ...	THEN ...	AND ...
Does not exist on Asset Manager	Asset Manager records the response with scan type "external" and adds the device to the Asset Manager database.	Adds the attribute "externalSource" with the value "Meraki Management Station" Device becomes a discovery target and follows the same algorithm as though it were any device discovered in Asset Manager.
Already exists on Asset Manager	Asset Manager retains the device. The response entry on Asset Manager includes the Asset Manager scan type (e.g., Host Discovery) and "external" for the Meraki scan type. Asset Manager Device Details shows both Host and External as the discovery scan type.	

The Results

The responses from Meraki are used to enhance the interface information displayed in Asset Manager Device Details, including:

- Network - Including additional L3 switch data
- Devices - Additional information from Meraki has been added re MX* model security appliances
- Interface - Including port information from Meraki
- Meraki source identifier called out in Asset Manager Device Details.
- Meraki-inflected device fingerprints, identification, and confidence-rankings.

- Meraki-sourced devices and CIDRs can be added to Asset Manager Target List and Asset Manager Eligible List.

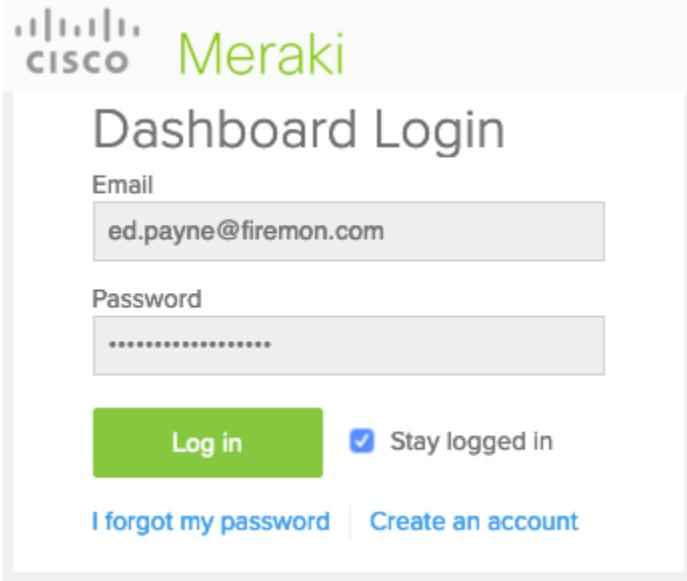
The screenshot shows the 'Device Details' page for a device with IP 172.31.30.8. The search bar at the top has 'dataRetention' selected. The table below lists various device attributes:

	Attribute	Value
Device Info	vendor	Meraki
Device Profile	serial	JYJ
Attributes	networkName	ay
Interfaces	name	-AP1
Connected Hosts - Layer 3	model	MR33
Leak Response	merakiNetworkId	437
Notifications	lng	022
Alternate IPs	lat	362
WMI Services	firmware	wireless-25-13
Cisco pxGrid	externalSource	Meraki Management Station
Cisco pxGrid	deviceType	Access Point

Configure the Meraki Integration in Asset Manager

Meraki integration is be configured as follows:

1. [Log in](#) to Asset Manager as an admin or user with superuser privileges.



2. On the main menu, browse to **Settings > Integrations > Cisco Meraki**.
3. Complete the configuration form with a polling interval, API access key. Power on the integration only when you are ready to enable the connection.
The checkboxes enable you to configure the integration to be zone-specific or to select all zones. However, FireMon strongly recommends that you select only one or two zones to avoid forcing the Asset Manager system to create or update a found device in multiple zones.



Polling Interval (by Hour)

24

API Access Key

[REDACTED]

Lumeta Zones	Enabled
Landing	<input checked="" type="checkbox"/>
LUM-1075 DNS IPv6	<input checked="" type="checkbox"/>
LUM-980 DNS	<input checked="" type="checkbox"/>
PO-8113	<input checked="" type="checkbox"/>
PO-8811	<input checked="" type="checkbox"/>
PO-9220	<input checked="" type="checkbox"/>
Twilight	<input checked="" type="checkbox"/>
Zone1	<input checked="" type="checkbox"/>

Submit

4. Click **Submit** to save the configuration.

Meraki CLI

These commands will enable you to configure the Meraki integration via the Command-Line Interface.

1. system feed list meraki
2. system feed set meraki enabled [true | false] - Enable or Disable the Meraki integration
3. system feed set meraki pollInterval posInt - Set the polling interval
4. system feed set meraki key apiKey - Provide the API key to Meraki API
5. system feed set meraki zone zone [enable | disable] - Enable integration for the indicated zone