

How To Monitor Meraki Switches With Nagios XI 2026

Purpose

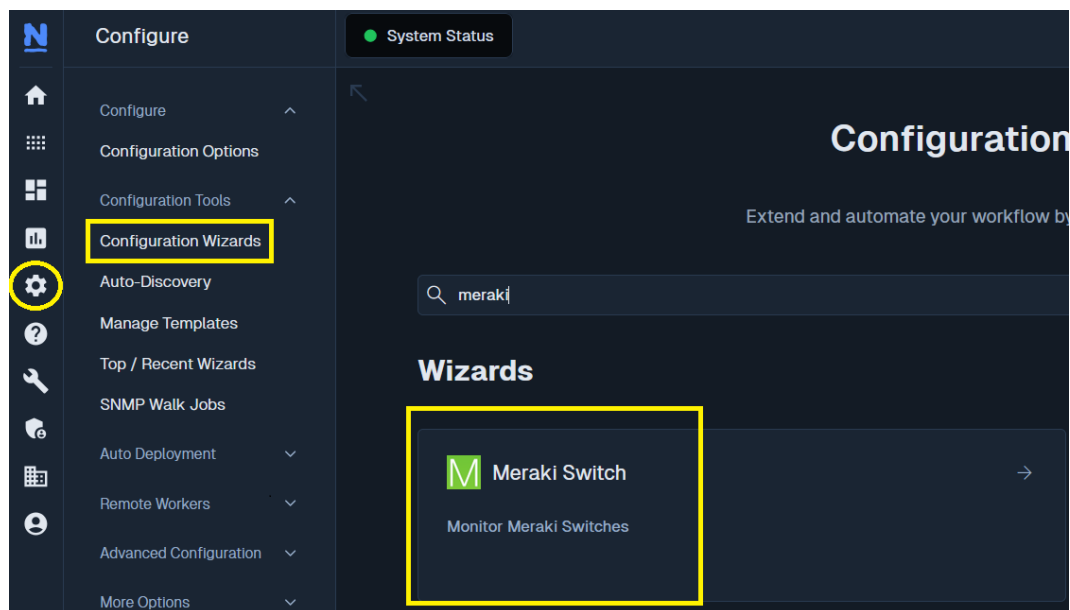
This document describes how to use the Meraki Switch Wizard to monitor port bandwidth and status on individual or multiple Meraki switches.

Prerequisites

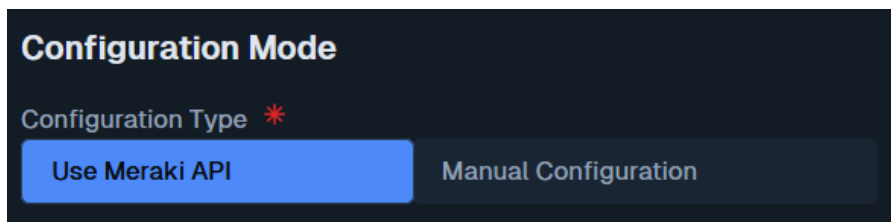
Direct network access to the target switches from your Nagios XI server is required to use this method.

Using the Meraki Switch Wizard

1. To begin, navigate to **Configure > Configuration Wizards** and search for 'meraki', then click the **Meraki Switch Wizard**.



2. In **Step 1** of the wizard, you will first choose from two **Configuration Modes**: [Use Meraki API](#) or [Manual Configuration](#).

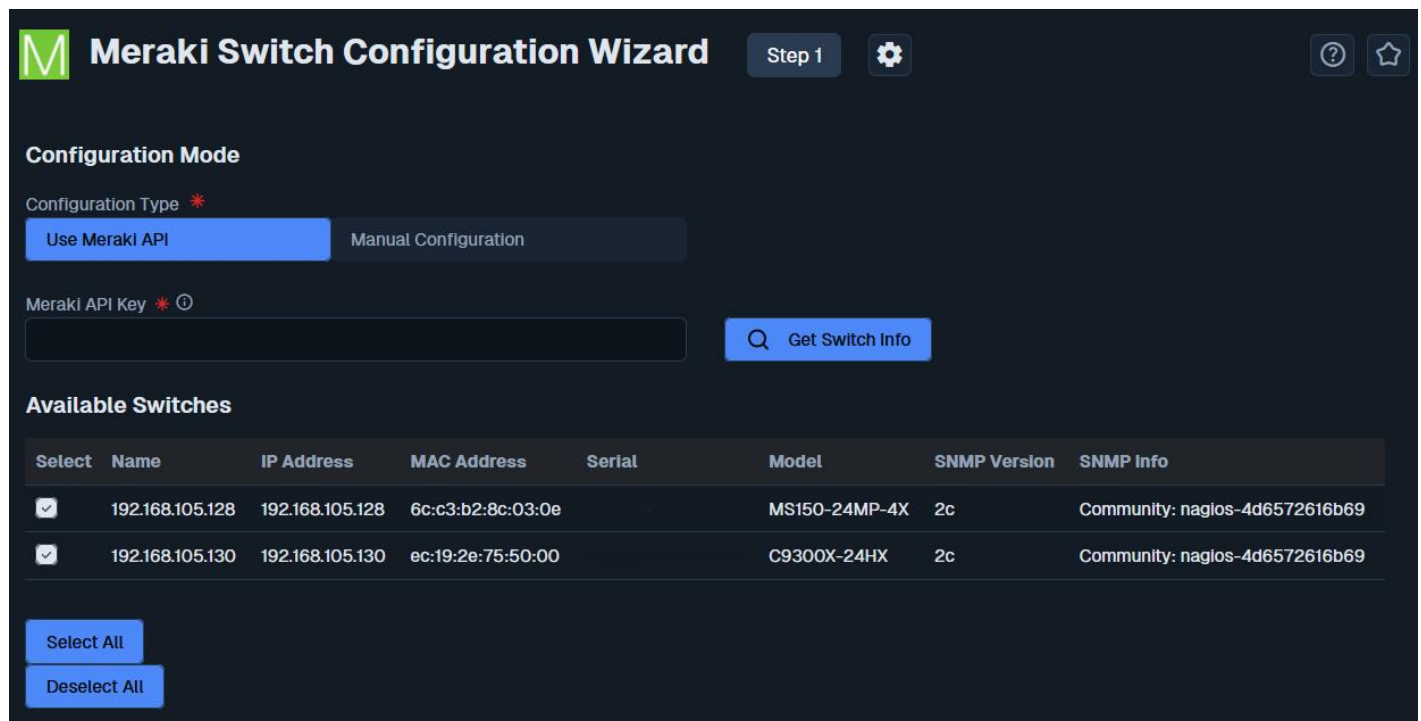


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Use Meraki API

Using the Meraki API enables you to simply enter your Meraki API key to view a list of the defined devices. After entering your API Key, click **Get Switch Info**.

The scan will return the Name, IP Address, Mac Address, Serial #, Model, SNMP Version, and SNMP community string for each defined device.



The screenshot shows the 'Meraki Switch Configuration Wizard' interface. At the top, it says 'Step 1' and has a settings icon. Below the title, there's a 'Configuration Mode' section with two options: 'Use Meraki API' (selected) and 'Manual Configuration'. Under 'Use Meraki API', there's a 'Meraki API Key' field with a search icon and a 'Get Switch Info' button. Below this is a table titled 'Available Switches' with columns: Select, Name, IP Address, MAC Address, Serial, Model, SNMP Version, and SNMP Info. Two switches are listed, both with checkboxes selected. At the bottom left, there are 'Select All' and 'Deselect All' buttons.

Select	Name	IP Address	MAC Address	Serial	Model	SNMP Version	SNMP Info
<input checked="" type="checkbox"/>	192.168.105.128	192.168.105.128	6c:c3:b2:8c:03:0e		MS150-24MP-4X	2c	Community: nagios-4d6572616b69
<input checked="" type="checkbox"/>	192.168.105.130	192.168.105.130	ec:19:2e:75:50:00		C9300X-24HX	2c	Community: nagios-4d6572616b69

You can use the lefthand checkboxes to select individual switches to monitor, and use the **Select All** and **Deselect All** buttons to quickly select and de-select the entire set.

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Manual Configuration

Alternately, you can choose to manually enter the SNMP settings necessary to connect to a single or multiple switches. For a single device, enter the IP Address and Port, along with selecting an SNMP version and entering the necessary credentials, in the **Router/Switch Information** section.

The screenshot shows the 'Configuration Mode' section with 'Manual Configuration' selected. Below is the 'Router/Switch Information' section. It includes a 'Configuration Type' dropdown set to 'Manual Configuration'. The 'IP Address' field is empty, and the 'Port' field is set to '161'. The 'SNMPv2c' option is selected under the 'SNMP' section. The 'SNMP Community' field is set to 'public'. Below this is the 'Bulk Configuration' section, which contains instructions on how to use CSV for multiple devices.

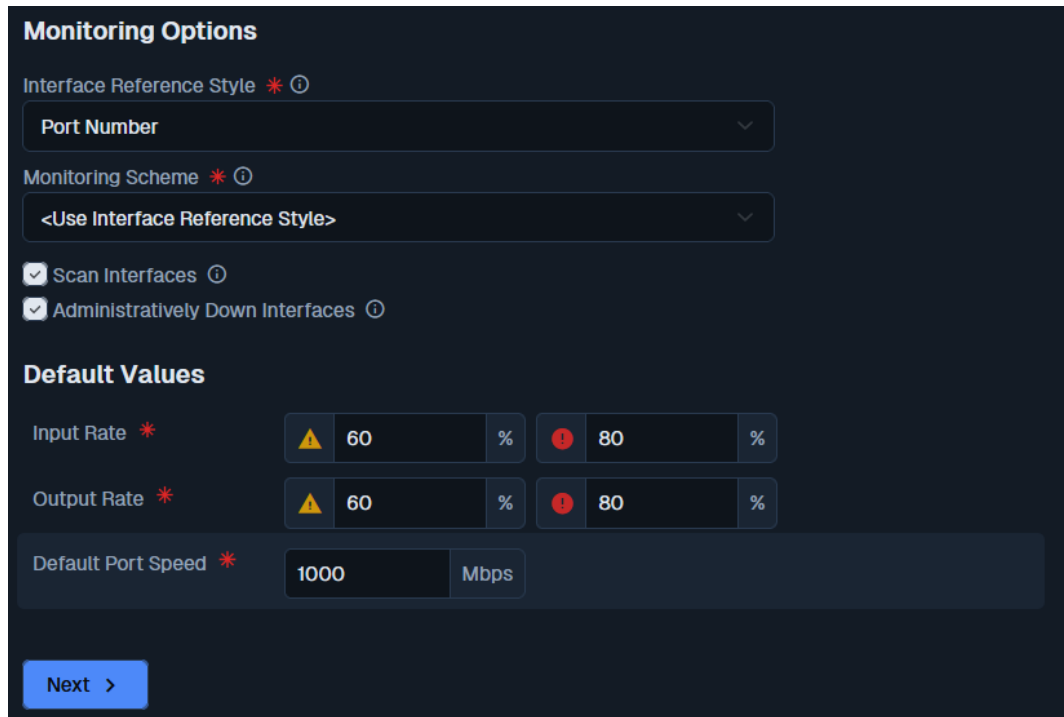
You'll also notice a **Bulk Configuration** section which can be used to enter the necessary connection details to configure monitoring of multiple switches at once.

Note that the Fields made available in the dropdowns will be based on the SNMP version selected in the **Router/Switch Information** section. For example, choosing SNMPv3 populates multiple additional fields:

The screenshot shows the 'Bulk Configuration' section. It includes a text box with instructions on how to use CSV for multiple devices. Below this is a table with seven columns labeled 'Field 1' through 'Field 7'. Each column has a dropdown menu. The dropdown for 'Field 4' is open, showing options: 'IGNORE', 'Hostname', 'Username', 'Auth Password', 'Priv Password', 'Auth Protocol', and 'Priv Protocol'. The 'Auth Password' option is highlighted. The 'Field 5' through 'Field 7' dropdowns are also open, showing the same options.

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- Next, choose your **Monitoring Options** and **Default Values**, including whether to auto-detect interfaces with the Scan Interfaces checkbox, and whether to include administratively down interfaces in the results.



The screenshot displays the Nagios XI configuration interface for Meraki switches, divided into two main sections: **Monitoring Options** and **Default Values**.

Monitoring Options:

- Interface Reference Style:** A dropdown menu set to "Port Number".
- Monitoring Scheme:** A dropdown menu set to "<Use Interface Reference Style>".
- Scan Interfaces:** A checkbox that is checked.
- Administratively Down Interfaces:** A checkbox that is checked.

Default Values:

- Input Rate:** Two input fields. The first is set to "60" with a yellow warning icon, and the second is set to "80" with a red error icon. Both have a "%" unit selector.
- Output Rate:** Two input fields. The first is set to "60" with a yellow warning icon, and the second is set to "80" with a red error icon. Both have a "%" unit selector.
- Default Port Speed:** A single input field set to "1000" with a "Mbps" unit selector.

At the bottom left, there is a blue button labeled "Next >".

Once you've made your selections, click **Next** to proceed.

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4. In **Step 2** of the wizard, you'll choose the Ports you wish to monitor, along with your warning and critical Rate In/Rate Out alert thresholds, and whether you wish to monitor Port Status.

You can also choose a custom Service Description if you'd like to give the ports a friendly name other than what was auto-populated.

The screenshot shows the 'Meraki Switch Configuration Wizard' at 'Step 2'. The 'Services' section has 'Ping' checked. The 'Bandwidth and Port Status' section is active, showing a table for configuring 4 ports. Each port row includes checkboxes for 'Port', 'Bandwidth', and 'Port Status', along with input fields for 'Rate In' and 'Rate Out' thresholds (600 and 800 Mbps are shown) and a 'Mbps' unit dropdown. The IP address '192.168.105.128' is displayed at the top of the table.

Port	Port Name	Port Description	Port Alias	Max Speed	Service Description	Bandwidth	Port Status
<input checked="" type="checkbox"/>	Port 1	Port-1	Port-1	100 Gbps	Port 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Port 2	Port-2	Port-2	100 Gbps	Port 2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Port 3	Port-3	Port-3	100 Gbps	Port 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Port 4	Port-4	Port-4	100 Gbps	Port 4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Note that you can use the blue checkboxes at the top of the table to quickly select or de-select all of the ports in the Port, Bandwidth, and Port Status columns.

This close-up shows the header of the 'Bandwidth and Port Status' table. The 'Port' column has a blue checkbox with a white checkmark, and the 'Bandwidth' column has a blue checkbox with a white checkmark. Both checkboxes are highlighted with yellow boxes.

Port	Port Name	Port Description	Port Alias	Max Speed	Service Description	Bandwidth
<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>

Also note that the results shown in **Step 2** will include all of the switches you chose to scan in **Step 1**, so you will need to scroll down the list to see all of them.

Once you've chosen your settings, click **Next** at the bottom to proceed.

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5. Complete the wizard by choosing the required options in **Step 3 – Step 5**.

To finish up, click on **Finish** in the final step of the wizard. This will create the new host(s) and services and begin monitoring.

Once the wizard applies the configuration, click the **View status details for** link to see the new objects that were created.

More Information:

You can learn more about all of the common wizard steps and settings here:

[Understanding and Using Config Wizards in Nagios XI](#)

Finishing Up

This completes the documentation on monitoring Apache ActiveMQ in Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Nagios Knowledge Base](#)

[Visit Nagios Library](#)