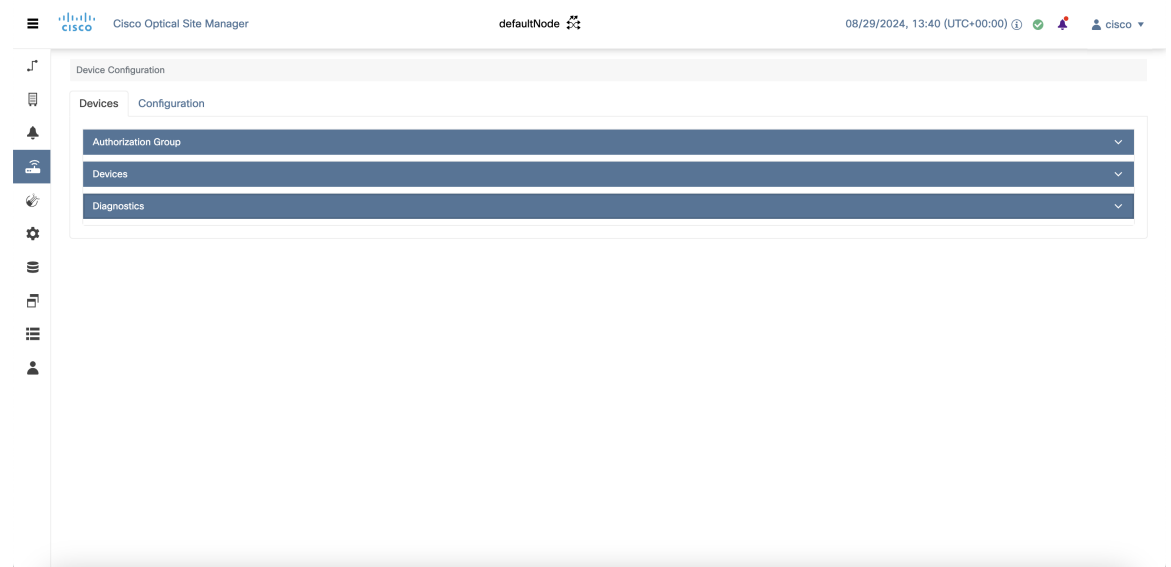




Configure Devices

This chapter describes the tasks related to device configuration in Cisco Optical Site Manager.

Figure 1: Configure Devices



- [Manage Authorization Groups, on page 1](#)
- [Add NCS 1000 Devices, on page 3](#)
- [Add Unmanaged Devices, on page 6](#)
- [Delete Devices, on page 7](#)
- [Retrieve Device Diagnostics, on page 7](#)

Manage Authorization Groups

Use this task to create, edit, or delete authorization groups for devices.

Before you begin

[Log into Cisco Optical Site Manager](#)

Procedure

-
- Step 1** Click **Devices** in the left panel.
The *Device Configuration* page appears.
- Step 2** In the **Devices** tab, click the **Authorization Group** section to expand it.
A table appears that lists all the available groups.
- Step 3** Perform these steps, as needed:
- a) To create a new authorization group, perform these steps:
 1. Click the **Add Auth Group** button.
The **Add Authorization Group** dialog box appears.
 2. Enter the **Auth Group Name**, **Remote User Name**, and **Remote Password** in their respective fields.
 3. Click **Add**.
The new auth group is added to the table.
 - b) To edit an authorization group, perform these steps:
 1. Select the check box corresponding to the authorization group you want to edit.
 2. Click the **Edit Auth Group** button.
A warning message appears informing the user that there may be loss in device communication.
 3. Click **OK**.
The **Edit Authorization Group** dialog box appears.
 4. Edit the fields, as needed.
Note
The auth group name cannot be edited.
 5. Click **Edit**.
The details are updated.
 - c) To delete an authorization group, perform these steps:
 1. Select the check box corresponding to the authorization group you want to edit.
 2. Click the **Delete Auth Group** button.
A confirmation message appears.
 3. Click **OK**.
The auth group is deleted from the table.
-

Add NCS 1000 Devices

Cisco Optical Site Manager automatically detects and onboards directly connected peer devices on the network. However, if you've added a new device after configuring Cisco Optical Site Manager, you can manually add the device for management using the application.

Figure 2: Add NCS 1000 Device

Use this task to add an NCS 1000 device.

Before you begin

[Log into Cisco Optical Site Manager](#)

Procedure

-
- Step 1** Click **Devices** in the left panel.
The *Device Configuration* page appears.
- Step 2** In the **Devices** tab, click the **Devices** section to expand it.
A table appears that lists all the devices that are configured.
- Step 3** Click the **Add Device** icon.
The **Add Device** dialog box appears.
- Step 4** Select the **Device Type** from the drop-down list.

Table 1: Device Type Options

Select	to
ncs1000	add a NCS 1000 device.
ncs2000	add a NCS 2000 device.
external-switch	add an external switch.

- Step 5** Enter the **Netconf Port**.
- Note**
This field is displayed only if *ncs1000* is selected in the **Device Type** drop-down list.
- Step 6** Enter the **Device Name** and **IP Address**.
- Step 7** Enter the **UID**.
- Note**
This field is displayed only if *ncs1000* or *ncs2000* is selected in the **Device Type** drop-down list.
- Step 8** Select an authorization group from the **Auth Group** drop-down list.
- Step 9** Click **Add**.
The new device is added to Cisco Optical Site Manager and displayed in the **Devices** section.
-

Add Unmanaged Devices

Table 2: Feature History

Feature Name	Release Information	Description
Add Unmanaged Devices	Cisco IOS XR Release 24.3.1	The Add Device dialog box now includes the unmanaged-network-element option, allowing the addition of unmanaged devices. This enhancement allows you to add and configure passive devices on the network.

Use this task to add an unmanaged device.

Before you begin

[Log into Cisco Optical Site Manager](#)

Procedure

-
- Step 1** Click **Devices** in the left panel.
The *Device Configuration* page appears.
- Step 2** In the **Devices** tab, click the **Devices** section to expand it.
A table appears that lists all the devices that are configured.
- Step 3** Click the **Add Device** icon.
The **Add Device** dialog box appears.
- Step 4** In the **Add Device** dialog box, perform these steps.
- Select **unmanaged-network-element** from the **Device Type** drop-down list.
 - Click **Add**.
The new device is added to Cisco Optical Site Manager and displayed in the **Devices** section.
- Step 5** In the Rack view, perform these steps.
- Right-click on an empty rack unit and select **Add a Passive Unit**.
The **Add Passive Unit in Ru Position** dialog box is displayed.
 - Select the unmanaged device from the **Select Device** drop-down list.
 - Select the passive type, slot and passive UID from the respective drop-down lists.
 - Click **Provision**.
A confirmation message is displayed.
- Step 6** Click **OK**.
-

The device is added to Cisco Optical Site Manager and displayed in the Rack view.

Delete Devices

Use this task to delete an NCS 1000, NCS 2000, passive device, or an external router.

Before you begin

[Log into Cisco Optical Site Manager](#)

Procedure

-
- Step 1** Click **Devices** in the left panel.
The *Device Configuration* page appears.
 - Step 2** In the **Devices** tab, click the **Devices** section to expand it.
A table is displayed listing all the configured devices.
 - Step 3** Select the check box corresponding to the devices you want to delete.
 - Step 4** Click the **Delete Device(s)** button to delete the selected devices.
A confirmation message appears.
 - Step 5** Click **Yes**.
-

Retrieve Device Diagnostics

Use this task to retrieve and download the device diagnostic logs.



Note The system retrieves the diagnostics of the selected device. The progress and errors are displayed at the top of the table.

Before you begin

[Log into Cisco Optical Site Manager](#)

Procedure

-
- Step 1** Click **Devices** in the left panel.
 - Step 2** In the **Devices** tab, click the **Diagnostics** section to expand it.
The configured devices are listed in a table.
 - Step 3** Select the **Node Diagnostics** check box corresponding to the device for which you want to retrieve the diagnostics.
 - Step 4** Click **Retrieve**.

A confirmation message appears.

Step 5 Click **Yes** to proceed.

A **Request Accepted** message appears.

Step 6 Click **OK**.

A message appears when the diagnostic action is completed.

Step 7 Select the check box corresponding to the device for which you want to download the diagnostics and click **Download**.

A zip file containing the logs is downloaded.
