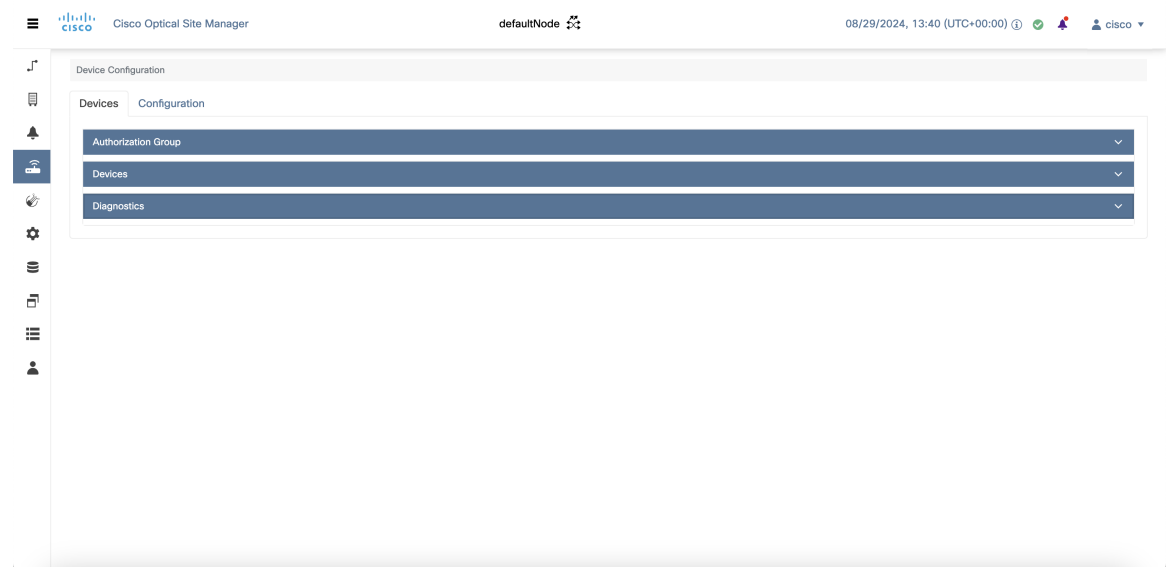




# Configure Devices

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

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- 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 <b>Add Device</b> dialog box now includes the <b>unmanaged-network-element</b> 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.



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

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## Before you begin

[Log into Cisco Optical Site Manager](#)

## Procedure

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- 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.

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