

Cisco Optical Site Manager Topology

This chapter describes the different Cisco Optical Site Manager views. In this chapter, you will also learn to add new racks.

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Topology

The **Topology** page provides a visual and tabular representation that allows users to manage optical site configurations effectively. The page offers two distinct views for managing site configurations:

- Rack View
- Table View

Rack View

Provides a graphical representation of a rack, including nodes and cards. Users can hover over a device or node to display its name in a tooltip, aiding in quick identification.

Table View

Displays a detailed list of chassis with information such as node UIDs, rack numbers, chassis types, and descriptions. This view also allows users to add new racks, simplifying updates and management.

Add a rack

Use this task to add a rack in Cisco Optical Site Manager. This creates a logical container for devices managed by Cisco Optical Site Manager and enables structured placement and visualization of chassis and other components.

A rack serves as a container for devices that are managed within Cisco Optical Site Manager.

After creating a rack, you can add chassis and other supported devices to it. Racks are displayed in both rack and table views.

- Racks are displayed in both rack and table views.

Before you begin

- Log into Cisco Optical Site Manager

Follow these steps to add a rack in Cisco Optical Site Manager.

Procedure

Step 1 Click **Topology** in the left panel.

The Cisco Optical Site Manager Topology page appears.

Step 2 Click **Add Rack**.

The **Add Rack** dialog box appears.

Step 3 Enter a rack ID in the **Rack ID** field.

You can enter any numeric value from 1 through 32767.

Step 4 Click **Apply**.

The rack is created and displayed in the rack and table views.

The rack is available for adding chassis and managing devices in Cisco Optical Site Manager.

What to do next

After creating the rack, add one or more chassis to begin device management.

Add a chassis

Use this task to add a chassis to Cisco Optical Site Manager so that the device can be tracked, monitored, and managed.

Before you begin

Log into Cisco Optical Site Manager

Follow these steps to add a chassis to Cisco Optical Site Manager.

Procedure

Step 1 In the NFV view, right-click a rack and select **Add Chassis**.

The **Add Chassis** dialog box appears.

Step 2 Select a device from the **Device** drop-down list.

Step 3 Select the appropriate **Chassis Type**.

Step 4 Select the **Chassis ID** and enter the **Chassis UID**.

Step 5 Enter a chassis name in the **Display Name** field.

Step 6 Click **Provision**.

Step 7 After adding the chassis, perform these chassis management actions, as needed.

To	perform these steps
Delete a chassis	**a.** Right-click the chassis in the rack. **b.** Select **Delete**.
Move a chassis to a different slot	**a.** Right-click the chassis in the rack and select **Cut**. **b.** Right-click an empty slot and select **Paste**.
View chassis properties	**a.** Right-click the chassis in the rack and select **Properties**.

The chassis is added to Cisco Optical Site Manager and displayed in the selected rack.

What to do next

After adding or modifying a chassis, verify that the device status is synchronized and operational.

Open the card view

Follow these steps to open the card in a card view.

Before you begin

Log into Cisco Optical Site Manager

Procedure

Step 1 Click **Topology** in the left panel.

The rack and **Topology** view appear.

Step 2 To open the card view, perform any of these steps:

- Right-click the outer edge of the chassis or line card from the rack view and select **Open**.
- Double-click the line card in the rack view.

The card view appears.

Identify a passive device associated with a USB

Identify a specific passive device associated with a USB port using the LED blink function.

Follow these steps to identify a passive device associated with a USB:

Before you begin

- Log into Cisco Optical Site Manager

Procedure

Step 1 Click **Topology** in the left panel.

Step 2 Click the rack name in the rack view.

Step 3 Click the **Provisioning** tab.

Step 4 Click **Passives** to expand the section.

The table displays a list of passive devices.

Step 5 Select the check box corresponding to a device and click **Edit**.
After selecting a device, the **USB Port** field becomes editable.

Step 6 Select the USB port from the drop-down list.

Step 7 Click **Apply**.

Step 8 Perform one of these steps:

To	Click
start blinking the LED of the passive device	**LED Blink**
know the LED status of the associated device	**LED Status**
stop the LED blinking	**LED Blink**

View voltage, temperature and current information

View the voltage, temperature, and current information of a device using the Cisco Optical Site Manager.

Cisco Optical Site Manager facilitates the monitoring of device voltage, temperature, and current to ensure stable operation, prevent overheating, and maintain safe and efficient device performance.

Follow these steps to view the voltage, temperature, and current information:

Before you begin

Log into Cisco Optical Site Manager

Procedure

Step 1 Click **Topology** in the left panel.

The **Topology** page appears.

Step 2 Click the rack name from the Rack view.

Step 3 Right-click the outer edge of the chassis from the Rack view and select **Open** to open the Chassis view.

Alternatively, you can also double-click the chassis to open the Chassis view.

The Chassis view appears.

Step 4 Click the **Provisioning** tab.

Step 5 Click the **Voltage/Temperature/Current** section to expand it.

Step 6 Expand the **Voltage**, **Temperature**, and **Current** sections to view the voltage , temperature, and current information of the chassis.

You can now view the voltage, temperature, and current information.

View power monitoring parameters

You can view different power metrics of a chassis, such as total power consumption and maximum power, using Cisco Optical Site Manager.

Follow these steps to view the power monitoring parameters of a chassis:

Before you begin

Log into Cisco Optical Site Manager

Procedure

Step 1 Click **Topology** in the left panel.

The **Topology** page appears.

Step 2 Click the rack name from the rack view.

Step 3 To open the chassis view, perform any of these steps:

- Right-click the outer edge of the chassis from the rack view and select **Open**.
- Double-click the chassis.

Step 4 Click the **Provisioning** tab.

Step 5 Click the **Power Monitor** section to expand it.

The chassis total power consumption and maximum power display.