Cisco Optical Site Manager Topology

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

Cisco Optical Site Manager Views

The COSM Topology page helps you access the topology in two different views:

- The Rack View

- The Table View

You can display or hide the left panel in either view by using the toggle button on the top-right of the COSM topology page.

Rack View

The left panel of the rack view contains the list of racks and the NCS 1000 cards. You can navigate to the nodes in the network by clicking the node or chassis name from the expanded rack view in the left panel or by clicking the node from the rack view. When you hover over a node in the rack view, the chassis type and alarm details are displayed. You can zoom in or zoom out the view by clicking the + and - symbols.

Table View

The table view displays the Chassis List table that lists the UIDs of the nodes, rack number, Chassis Type, and Description.

You can navigate to the nodes in the network by clicking the chassis name from the expanded rack view in the left panel or by clicking the ID of the chassis in the Chassis List.

Create a Rack

Use this task to add a rack.

Before you begin

Log into Cisco Optical Site Manager

Procedure

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

The COSM 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 value from 1 through 32767.

Step 4   Click **Apply**.

The rack is added to the rack and table views.

Open the Card View

Use this task to open the card view.

Before you begin

Log into Cisco Optical Site Manager

Procedure

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

The Rack and Chassis view appear.

Step 2   Navigate to the chassis view using any one of the following steps:

- Click the chassis icon in the logical view.

- Click the ID in the Chassis List or the Chassis ID in the Cisco Optical Site Manager List in the tabular view.

- Click the rack ID in the left panel to open the rack view and identify the chassis of interest.

• Click the chassis name in the expanded rack tree view in the left panel.

Step 3 From the Rack view, right-click the slot that contains the card and choose **Open Card**.

The card view appears.

View Voltage, Temperature and Current Information

Use this task to display the voltage, temperature and current information of a chassis.

Before you begin

Log into Cisco Optical Site Manager

Procedure

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

The COSM Topology page appears.

Step 2 Click the rack name from the Rack view.

Step 3 Right-click the chassis from the Rack view and select **Open**.

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

View Power Monitoring Parameters

Use this task to display the power monitoring parameters of a chassis.

Before you begin

Log into Cisco Optical Site Manager

Procedure

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

The COSM Topology page appears.

Step 2   Click the rack name from the Rack view.

Step 3   Right-click the chassis from the Rack view and select **Open**.

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 **Power Monitor** section to expand it.
The Power Monitor section displays the environment type, power summary, voltage thresholds of the chassis.

View Passive Device Details

Use this task to view a passive device to a passive chassis. You can also use this task to identify a specific passive device that is associated to a USB port by using the LED blink function.

Before you begin

- Log into Cisco Optical Site Manager

Procedure

Step 1   Click **COSM 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 passive devices are displayed in the table.

Step 5   Select the check box corresponding to a device and click **Edit**.
The **USB Port** field for the selected device becomes editable.

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

Step 7   Click **Apply**.

Step 8   (Optional) Click **LED Blink** to start blinking the LED of the passive device.

Step 9   (Optional) Click **LED Status** to know the LED status of the associated device.

Step 10   (Optional) Click **LED Blink** again to stop the blinking.