# Monitoring and Reporting

This chapter contains the following sections:

# About Monitoring and Reporting

Cisco UCS Director displays all managed Cisco UCS components in each Cisco UCS domain registered with a Cisco UCS Central account. These components can be hardware or software.

### Information You Can View

You can view and monitor details about each component, including the following:

- License status
- Summary of the status

### Components You Can Monitor

You can monitor each registered Cisco UCS domain and the Cisco UCS Manager inventory for that Cisco UCS domain, including the following:

- Fabric interconnects
- Chassis
- Servers
- FEXes

# Viewing the Hardware Inventory for a Cisco UCS Domain

You can view all hardware in a Cisco UCS domain, including the model, serial number, status, and availability.

| | |
|---|---|
| **Step 1** | On the menu bar, choose **Physical** > **Compute**. |
| **Step 2** | In the left pane, expand **Multi-Domain Managers**. |
| **Step 3** | In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account. |
| **Step 4** | In the right pane, click the **All UCS Domains** tab. |
| **Step 5** | Click the row for the Cisco UCS domain for which you want to view the hardware inventory. |
| **Step 6** | Click **View Details**.<br>Cisco UCS Director displays a set of tabs with information about the fabric interconnects, chassis, servers, and FEXes in the Cisco UCS domain. |

# Viewing the Cisco UCS Fabric Interconnect Inventory Report

This report shows you the number of Cisco UCS fabric interconnects in a Cisco UCS Central account and how many of them are operable.

| | |
|---|---|
| **Step 1** | On the menu bar, choose **Physical** > **Compute**. |
| **Step 2** | In the left pane, expand **Multi-Domain Managers**. |
| **Step 3** | In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account. |
| **Step 4** | In the right pane, click the **UCS Fabric Interconnect Inventory** tab.<br>Click the drop-down menu button at the right side of the tab menu to view this tab. |

# Viewing the Cisco UCS Chassis Inventory Report

This report shows you the number of Cisco UCS chassis in a Cisco UCS Central account and how many of them are powered on.

| | |
|---|---|
| **Step 1** | On the menu bar, choose **Physical** > **Compute**. |
| **Step 2** | In the left pane, expand **Multi-Domain Managers**. |
| **Step 3** | In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account. |
| **Step 4** | In the right pane, click the **UCS Chassis Inventory** tab.<br>Click the drop-down menu button at the right side of the tab menu to view this tab. |

# Viewing the Cisco UCS Servers Inventory Report

This report shows you the number of Cisco UCS servers in a Cisco UCS Central account and how many of those servers are operable.

**Step 1**   On the menu bar, choose **Physical** > **Compute**.

**Step 2**   In the left pane, expand **Multi-Domain Managers**.

**Step 3**   In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account.

**Step 4**   In the right pane, click the **UCS Server Inventory** tab.
Click the drop-down menu button at the right side of the tab menu to view this tab.

# Viewing the Cisco UCS Server Association Report

This report shows you the number of associated, unassociated, and other Cisco UCS servers in a Cisco UCS Central account.

**Step 1**   On the menu bar, choose **Physical** > **Compute**.

**Step 2**   In the left pane, expand **Multi-Domain Managers**.

**Step 3**   In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account.

**Step 4**   In the right pane, click the **UCS Servers Associated vs Unassociated** tab.
Click the drop-down menu button at the right side of the tab menu to view this tab.

# BM Testing with the UCS Central Tasks

This report covers the ID usage utilization inventory and the tabular representation related to each domain associated to a Cisco UCS Central

**Step 1**   On the menu bar, choose **Physical** > **Compute**.

**Step 2**   In the left pane, expand **Multi-Domain Managers**.

**Step 3**   In the left pane, expand **UCS Central Accounts** and then click the Cisco UCS Central account.

**Step 4**   In the right pane, click the **All UCS Domains** tab.

**Step 5**   In the right pane, double-click a UCS domain.

**Step 6**   In the right pane, click the **IDUsage** tab.
For each UCS Domain associated to a Cisco UCS Central account, the ID usage related to **fc, mac, uuid, and iqn** pools is collected as part of a central inventory collection task.

**Step 7**   To drill down the report, double-click a domain name (DN).
**Total ID Usage/Available ID Usage/Assigned ID Usage/Conflict ID Usage** are available on separate tabs.