



# Monitoring Inventory

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## Inventory Management

Cisco UCS Central collects the inventory details from all registered Cisco UCS domains. You can view and monitor the components in the registered Cisco UCS domains from the domain management panel.

When a Cisco UCS domain is successfully registered, Cisco UCS Central starts collecting the following details:

- Physical Inventory
- Service profiles and service profile templates
- Fault information

The default data collection interval is 10 minutes. You can customize the interval based on your requirements. If the connection between Cisco UCS domain and Cisco UCS Central fails, whenever the disconnected Cisco UCS domain is detected again, Cisco UCS Central start collecting current data and displays in the domain management panel.

The **General** tab in **Domain Management** panel, displays a list of registered Cisco UCS domains. You can click on the tabs to view details on each component. You can also launch the individual Cisco UCS Manager or the KVM console for a server from this panel.

## Physical Inventory

The physical inventory details of the components in Cisco UCS domains are organized under domains. The Cisco UCS domains that do not belong to any domain groups are placed under ungrouped domains. You can view detailed equipment status, and the following physical details of components in the domain management panel:

- Fabric interconnects - switch card modules
- Servers - blades/rack mount servers
- Chassis - io modules
- Fabric extenders

## Service Profiles and Templates

You can view a complete list of service profiles and service profile templates available in the registered Cisco UCS domains from the **Servers** tab. The **Service Profile** panel displays a aggregated list of the service profiles. Service profiles with the same name are grouped under the organizations they are assigned to. Instance count next to the service profile name will provide the number of times that particular service profile is used in Cisco UCS domains.

From the **Service Profile Template** panel, you can view the available service profile templates, organization and the number of times each service profile template is used in the Cisco UCS Domain.

## Configuring Inventory Data Collection Schedule

### Procedure

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- Step 1** On the menu bar, click **Equipment**.
  - Step 2** In the **Navigation** Pane, click **Domain Management**.
  - Step 3** In the **Work** pane, **General** tab, **Summary > Polling Interval** click the drop down option. Select the interval from the options.
  - Step 4** Click **Save**.
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## Viewing Inventory Details

The **UCS Domains** pane displays a comprehensive list of all registered Cisco UCS domains.

**Tip**

To view details of an individual domain, in the **UCS Name** column, click and choose the name of a Cisco UCS domain and click **Properties**.

### Procedure

- Step 1** On the menu bar, click **Equipment**.
- Step 2** In the **Navigation** pane, expand **UCS Domains**.
- Step 3** The work pane displays the following:

Option	Description
<b>General</b>	Provides an overview of the servers in the registered Cisco UCS domains: <ul style="list-style-type: none"> <li>• <b>Summary</b>—Displays the percentage level of <b>In Use</b> and <b>Available</b> servers in the registered UCS domains.</li> <li>• <b>Servers</b>—Points to the overview of In use and available servers.</li> <li>• <b>Polling Interval</b>—Displays the specified interval in which Cisco UCS Central system collects data from all registered Cisco UCS domains.</li> </ul>
<b>UCS Domains</b>	Displays the following details on the registered Cisco UCS domains: <ul style="list-style-type: none"> <li>• <b>Systems</b>—Displays the registered systems with name and other related details.</li> <li>• <b>Firmware</b>—Displays Cisco UCS domain name, site and the firmware version used in the domain.</li> <li>• <b>Usage</b>—Displays the number of servers managed by the Cisco UCS domain, the number of available servers and the number of servers in use.</li> </ul>
<b>Fabric Interconnect</b>	Displays the following details on the FIs connected to the registered Cisco UCS domains: <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the FI ID, connected Cisco UCS domain name, status, operability and other related details for all FIs in the registered UCS domains.</li> <li>• <b>Hardware</b>—Displays all hardware related to the FI.</li> <li>• <b>Firmware</b>—Displays the firmware version used in the FI.</li> </ul>

Option	Description
<b>Servers</b>	<p>Displays the following details of all servers in the connected Cisco UCS domains:</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the server number, connected Cisco UCS domain name, status, power, availability and other related details of the servers.</li> <li>• <b>Hardware</b>—Displays all hardware details including the adapters and adapter model numbers in the servers.</li> <li>• <b>Firmware</b>—Displays the firmware version used in the servers.</li> </ul>
<b>Chassis</b>	<p>Displays the following details of all chassis in the connected Cisco UCS domains:</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the chassis ID, connected Cisco UCS domain name, configuration details and other related details of the servers.</li> <li>• <b>Hardware</b>—Displays all hardware details including the connection details.</li> </ul>
<b>FSM Stage Status</b>	Displays the FSM stages, such as configurations, discovery of servers and service profiles.

## Viewing Details on an Individual Cisco UCS Domain

### Procedure

- Step 1** On the menu bar, click **Equipment**.
- Step 2** In the **Navigation** pane, expand **UCS Domains**.
- Step 3** In the work pane, click on the **UCS Domains** tab.
- Step 4** From the list of Cisco UCS domain names under **UCS Name** column, choose the domain you want to view the details for.  
When you select the Cisco UCS domain, two menu items appears on the menu bar next to **Filter**.
- Step 5** On the menu bar, click **Properties**.  
The **Properties** dialog box displays the following details of the selected Cisco UCS domain:

Option	Description
<b>Fault Summary</b>	Displays the number of faults under each severity level in the selected Cisco UCS domain. Cisco UCS Central refreshes fault information from the connected Cisco UCS domains at every one minute interval.
<b>Properties</b>	<p>Provides the following details for the selected Cisco UCS domain:</p> <ul style="list-style-type: none"> <li>• <b>Servers</b>—A graphical representation of the number of servers in use versus available.</li> <li>• <b>Management IP</b>—The management IP address of this Cisco UCS domain. Cisco UCS Manager uses this IP address to launch the Cisco UCS Manager GUI.</li> <li>• <b>FW Version</b>—The Cisco UCS Manager firmware version running on the Cisco UCS domain.</li> <li>• <b>Description</b>— The description of the Cisco UCS domain, if any.</li> <li>• <b>FW Status</b>—The status of the firmware on the Cisco UCS domain.</li> <li>• <b>Site</b>—The site associated with the Cisco UCS domain, if any.</li> <li>• <b>Domain Group</b>—The domain group in which the Cisco UCS domain is included, if any.</li> <li>• <b>Owner</b>—</li> <li>• <b>Last Refresh</b>— The last date and time that Cisco UCS Central refreshed the information for the Cisco UCS domain.</li> </ul>
<b>Fabric Interconnect</b>	<p>Displays the following details on the FIs connected to this Cisco UCS domain :</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the FI ID, status, operability and other related details for the connected FIs.</li> <li>• <b>Hardware</b>—Displays all hardware related to the FI.</li> <li>• <b>Firmware</b>—Displays the firmware version used in the FI.</li> </ul>
<b>Servers</b>	<p>Displays the following details of all servers in the Cisco UCS domain:</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the server number, status, power, availability and other related details of the servers.</li> <li>• <b>Hardware</b>—Displays all hardware details including the adapters and adapter model numbers in the servers.</li> <li>• <b>Firmware</b>—Displays the firmware version used in the servers.</li> </ul>

Option	Description
<b>Chassis</b>	<p>Displays the following details of all chassis in the Cisco UCS domain:</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the chassis ID, configuration details and other related details of the servers.</li> <li>• <b>Hardware</b>—Displays all hardware details including the connection details.</li> </ul>
<b>IO Modules</b>	<p>Displays the following details of the IO modules in the Cisco UCS domain:</p> <ul style="list-style-type: none"> <li>• <b>Status</b>—Displays the chassis ID, IO module, and other related details of the servers.</li> <li>• <b>Hardware</b>—Displays all hardware details including the FI to which this IO module is connected and other related details.</li> <li>• <b>Firmware</b>—Displays the firmware version used in the IO module.</li> </ul>

## Viewing Service Profiles

### Procedure

- Step 1** On the menu bar, click **Servers**.
- Step 2** In the **Navigation** pane, click the **Service Profiles**.
- Step 3** The **Work** pane displays the following:

Name	Description
<b>Filter</b> button	Allows you to filter the data in the table. When you apply a filter, this button name changes to <b>Filter (on)</b> .
<b>Properties</b> button	Displays detailed properties for the object selected in the table.
<b>Name</b> column	The service profile name.
<b>Org</b> column	The organization associated with the service profile.
<b>Status</b> column	A brief description of the service profile status.
<b>Instances</b> column	The number of times a service profile with this name is used in all registered Cisco UCS domains.

Name	Description
UCS Name field	The system name of the Cisco UCS domain.

- a) (Optional) Click the number in the **Instances** column to view the number of times this service profile is used in the registered Cisco UCS domains.

## Viewing Service Profile Details

You can also view the service profile details by clicking on the number in instances column. This procedure describes how to access detailed information on each service profile from the navigation pane.

### Procedure

- Step 1** On the menu bar, click **Servers**.
- Step 2** In the Navigation pane, expand **Servers > Service Profile > Root** , and click the service profile name.
- Step 3** The **Work** pane displays the following:

Name	Description
<b>Filter</b> button	Allows you to filter the data in the table. When you apply a filter, this button name changes to <b>Filter (on)</b> .
<b>Properties</b> button	Displays detailed properties for the object selected in the table.
UCS Name field	The system name of the Cisco UCS domain.
<b>Status</b> column	A brief description of the overall status of the service profile.
<b>Association State</b> column	The relationship between the server and a service profile. This can be one of the following: <ul style="list-style-type: none"> <li>• <b>Associated</b>—A service profile is assigned to the server, which means the server can be used as required by the Cisco UCS domain.</li> <li>• <b>Associating</b>—A service profile has been assigned to this server, but the association process has not yet completed. The server is ready for use when the state changes to <b>Associated</b>.</li> <li>• <b>Disassociating</b>—The previously assigned service profile is being removed from this server. When the process has finished, the state changes to <b>Unassociated</b>.</li> <li>• <b>Unassociated</b>—A service profile has not been assigned to this server, which means it cannot be used by Cisco UCS.</li> </ul>

Name	Description
<b>Associated Server</b> column	The name of the server to which this profile is assigned, if any.
<b>Template</b> column	The name of the associated service profile template, if any.

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## Viewing Service Profile Templates

### Procedure

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- Step 1** On the menu bar, click **Servers**.
- Step 2** In the **Navigation** pane, click the **Service Profile Templates**.
- Step 3** The **Work** pane displays the following:

Name	Description
<b>Filter</b> button	Allows you to filter the data in the table. When you apply a filter, this button name changes to <b>Filter (on)</b> .
<b>Properties</b> button	Displays detailed properties for the object selected in the table.
<b>Name</b> column	The service profile template name.
<b>Org</b> column	The organization associated with the service profile template.
<b>Placement Count</b> column	The number of times a service profile with this name is used in all registered Cisco UCS domains.

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