



Managing Servers Using Systems Menu

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Inventory and Fault Status for Rack Groups

Systems menu contains **Inventory and Fault Status** and **Physical Accounts** menu options. **Inventory and Fault Status for Rack Groups** page is divided vertically into two sections. Left pane contains the list of the Rack Groups. If the list is collapsed, click the down arrow beside **Rack Groups** to expand the view. You will see the default and all the user defined Rack Groups. You can manage and monitor all C-series and E-series servers using this option.



Note

If you are logging in for the first time, then **Default Group** is the only Rack Group available. Refer [Adding a Rack Group](#) to add more Rack Groups.

When **Rack Groups** heading is selected in the left pane, the following tabs are available in the right pane:

Tab	Description
Summary	You can add summary reports to the Summary page for quick view. Refer Adding Summary Reports to Dashboard to add summary reports.
Rack Servers	Rack Servers tab provides the details of the rack mount servers added to all the Rack Groups.
Faults	Faults tab provides the details for all the faults logged in Cisco IMC Supervisor.
More Reports	More Reports tab provides additional reports in the form of pie chart for faults, server health, firmware versions, server models, and power state.

When any Rack Group is selected in the left pane (including **Default Group**), the following tabs are available in the right pane:

Tab	Description
Summary	You can add summary reports of the selected group to the Summary page for quick view. Refer Adding Summary Reports to Dashboard to add summary reports.
Rack Servers	Rack Servers tab provides the details of the rack mount servers added to the selected Rack Group.
Faults	Faults tab provides the details for all the faults logged in the selected Rack Group for the rack mount servers.
More Reports	More Reports tab provides additional reports in the form of pie chart for faults, server health, firmware versions, server models, and power state.

Server Task Under Inventory and Fault Status Tab

Viewing a Rack Mount Server Details

Perform this procedure when you want to view the details of a rack mount server.



Note You can also perform this procedure by clicking **Rack Groups** in the left pane.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.

Note You cannot see the down arrow on the far right till you select the server from the list.

The following details are available for a rack mount server:

Tab	Description
Summary	Provides an overview of the Rack Account.
CPUs	Provides the details of the CPU used in the server.

Tab	Description
Memory	Provides the details of the memory used in the server.
PSUs	Provides the details of the power supply unit used in the server.
PCI Adapters	Provides the details of the PCI adapters used in the server.
VIC Adapters	Provides the details of the VIC adapters used in the server. Select any of the VIC Adapters listed and click View Details to view information such as External Ethernet Interfaces , VM FEXs and so on.
Network Adapters	Provides the details of the network adapters used in the server. Select any of the Network Adapters listed and click View Details to view information on External Ethernet Interfaces .
Storage Adapters	Provides the details of the storage adapters used in the server. Select any of the Storage Adapters listed and click View Details to view information such as Controller Info , Physical Drives and so on.
FlexFlash Adapters	Provides the details of the flexflash adapters used in the server. Select any of the FlexFlash Adapters listed and click View Details to view information such as Controller Info , Physical Drives and so on. If you are upgrading Cisco IMC Supervisor from a previous version, you must run the inventory by going to Systems > Physical Accounts > Rack Accounts > Inventory or wait for the periodic inventory to run for the flexflash details to appear in the report.
Communication	Provides the details of HTTP, HTTPS, SSH, IPMI Over LAN, NTP, and SNMP.
Remote Presence	Provides the details of vKVM, Serial Over LAN, and vMedia.
Faults	Provides the details of the faults logged in the server.
Users	Provides the details of users.
Cisco IMC Log	Provides the details of the Cisco IMC logs for the server.
System Event Log	Provides the details of the server logs.
TPM	Provides information on the TPM inventory.
BIOS	Provides details about the BIOS settings and Boot Order for the server. Select the server and click on View BIOS Settings , View Boot Settings , or View Boot Order .
Fault History	Provides historical information on the faults that occurred on the server.

Tab	Description
Tech Support	<p>Provides an option to export the tech-support log files to a remote server using one of the following protocols:</p> <ul style="list-style-type: none"> • FTP • TFTP • SFTP • SCP <p>Note Currently, downloading the tech-support log file to a local system is not supported.</p>
Associated Hardware Profiles	Provides details of policies that are associated to a hardware profile.

Step 5 Click the **Back** button on the far right to go to the previous window.

Viewing a Rack Mount Server Fault Details

Perform this procedure when you want to view the fault details of a rack mount server.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

Step 1 From the menu bar, choose **Systems > Inventory and Fault Status**.

Step 2 In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.

Step 3 In the right pane, select the **Faults** tab.

Step 4 Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.

Note You cannot see the down arrow on the far right till you select the server from the list.

The following details are available for a rack mount server:

Tab	Description
Explanation	Brief reason for the issue.
Recommendation	Steps to resolve the issue.

- Step 5** Click **Close** in the **Fault Details** window to go to the previous window.
-

Powering On/Off a Rack Mount Server

Perform this procedure when you want to power on or off a rack mount server.



Note You can also select multiple rack servers.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** From the list of servers, select the server you want to power on/off.
- Step 5** Click **Power ON** or **Power OFF** or right-click and choose the options.
- Note** You cannot see **Power ON** and **Power OFF** buttons till you select the server from the list.
- Step 6** In the confirmation dialog box, click **OK**.
- Note** A message that the servers were powered on or off is displayed. The message will also indicate if any servers could not be powered on or off. Refresh the table after a while so that the current power states are reflected.
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Shutting Down a Rack Mount Server

Perform this procedure when you want to shut down a rack mount server.



Note You can also select multiple rack servers.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Select the sever from the list.
 - Step 5** Click **Shut Down** or right-click and choose the option.
Note You cannot see the **Shut Down** button till you select the server from the list. You can also click the down arrow on the far right and choose the option.
 - Step 6** In the confirmation dialog box, click **OK**.
-

Performing a Hard Reset on Rack Mount Server

Perform this procedure when you want to hard reset a rack mount server.



Note You can also select multiple rack servers.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Select the sever from the list.
 - Step 5** Click **Hard Reset**.
Note You cannot see the **Hard Reset** button till you select the server from the list. You can also click the down arrow on the far right and choose the option.
 - Step 6** In the confirmation dialog box, click **OK**.
-

Performing a Power Cycle on Rack Mount Server

Perform this procedure when you want to do a power cycle on a rack mount server.



Note You can also select multiple rack servers.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Select the sever from the list.
 - Step 5** Click **Power Cycle**.
 - Note** You cannot see **Power Cycle** button till you select the server from the list. You can also click the down arrow on the far right and choose the option.
 - Step 6** In the confirmation dialog box, click **OK**.
-

Launching KVM Console for a Rack Mount Server

Perform this procedure when you want to launch KVM console for a rack mount server.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Select the sever from the list.
- Step 5** Click **KVM Console**.
 - Note** You cannot see **KVM Console** button till you select the server from the list.
- Step 6** Click **Submit**.

Cisco IMC Supervisor downloads the *kvm.jnlp* file.
- Step 7** Double-click on the *kvm.jnlp* file in your downloads folder.

The KVM Console opens in a separate window.

If you do not have the required Java Runtime Environment (JRE) installed, click **More Info** in the dialog box and follow the instructions to download and install the JRE.

Launching GUI for a Rack Mount Server

Perform this procedure when you want to launch GUI for a rack mount server.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Select the sever from the list.
 - Step 5** Click **Launch GUI**.
Note You cannot see the **Launch GUI** button till you select the server from the list.
 - Step 6** In the **Launch GUI** dialog box, click **Submit**.
The GUI for the server is launched in a separate browser.
-

Setting Locator LED for a Rack Mount Server

Perform this procedure when you want to set locator LED for a rack mount server.



Note You can also select multiple rack servers.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Select the sever from the list.
- Step 5** Click **Locator LED**.
Note You cannot see **Locator LED** button till you select a server from the list.

- Step 6** From the **Turn** drop-down list, choose **ON/OFF**.
 - Step 7** Click **Submit**.
 - Step 8** In the **Submit Result** dialog box, click **OK**.
-

Setting Label for a Rack Mount Server

Perform this procedure when you want to set label for a rack mount server.

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Select the sever from the list.
 - Step 5** Click **Set Label**.
Note You cannot see **Set Label** button till you select the server from the list.
 - Step 6** Enter a new label.
 - Step 7** Click **Submit**.
 - Step 8** In the **Submit Result** dialog box, click **OK**.
-

Managing Tags for a Rack Mount Server

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Perform this procedure when you want to manage tags for a rack mount server.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, expand **Rack Groups** and select the Rack Group which contains the server
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Click **Manage Tags**.
Note You cannot see **Manage Tags** button till you select the server from the list.

Step 5 Click on the plus icon to add a new tag. In the **Add Entry to Tag** dialog box, complete the following:

Field	Description
Tag Name	<p>Select the tag name from the drop-down list and click Submit or create a new tag.</p> <ol style="list-style-type: none"> 1 Click the + icon. 2 In the Create Tag window, do the following: <ol style="list-style-type: none"> a In the Name field, enter a descriptive name for the tag. b In the Description field, enter a description of the tag. c In the Type field, select String or Integer from the drop-down list. d In the Possible Tag Values field, enter a possible value for the tag. e Click Next. f Click the + icon to add a new category. 3 In the Add Entry to Entities window, from the Category drop-down list, choose the category. It can be one of the following: <ul style="list-style-type: none"> • Physical_Compute category creates tag entities for a Rack Server. • Administration category creates tag entities for users. 4 Choose the taggable entities from the table. 5 Click Submit. <p>Note The tags are displayed under the respective category according to the set taggable entities.</p> 6 In the confirmation dialog box, click OK.
Tag Value	Select the tag value from the drop-down list.

- Step 6** Click **Submit**.
 - Step 7** In the **Submit Result** dialog box, click **OK**.
 - Step 8** Select a tag in the **Manage Tags** dialog box and click on the Edit icon to edit a tag.
 - Step 9** Choose the Tag Name and Tag Value to modify the tags
 - Step 10** Click **Submit**
 - Step 11** In the **Submit Result** dialog box, click **OK**.
 - Step 12** Select a tag in the **Manage Tags** dialog box and click on the Delete icon to delete a tag.
 - Step 13** Click **Submit** if you are sure you want to delete the tag.
 - Step 14** In the **Submit Result** dialog box, click **OK**.
-

Adding Tags for a Rack Mount Server

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Perform this procedure when you want to add tags for a rack mount server.



Note You can also select multiple rack servers.

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Click **Add Tags**.
 - Note** You cannot see **Add Tags** button till you select the server from the list.
 - Step 5** Choose the **Tag Name** from the drop-down list.
 - Step 6** Choose the **Tag Value** from the drop-down list.
 - Step 7** Click on the plus icon to create a new tag. Refer [Managing Tags for a Rack Mount Server](#), on page 9 to create tags.
-

Deleting Tags for a Rack Mount Server

Before You Begin

The server is already added as a Rack Account under a Rack Group.

Perform this procedure when you want to add tags for a rack mount server.



Note You can also select multiple rack servers.

Procedure

-
- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Click **Delete Tags**.
- Note** You cannot see **Delete Tags** button till you select the server from the list.
- Step 5** Check the check box against the tag name that you want to delete or check the check box against **Tag Name** to delete all the available tags.
- Step 6** Click **Submit**.
-

Exporting Technical Support Data to a Remote Server

Procedure

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- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
- Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
- Step 3** In the right pane, select the **Rack Servers** tab.
- Step 4** Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.
- Step 5** Click the **Tech Support** tab.
- Step 6** Click **Upload Logs**.
- Step 7** In the **Upload Technical Logs** dialog box, complete the following fields:

Name	Description
Network Type drop-down list	The network type. This can be one of the following: <ul style="list-style-type: none"> • TFTP • FTP • SFTP • SCP

Name	Description
Server IP/Hostname field	The IP address or hostname of the server on which the support data file should be stored. Depending on the setting in the Network Type drop-down list, the name of this field will vary.
Path and Filename field	The path and filename that must be used when exporting the file to the remote server.
Username	The username the system should use to log in to the remote server. This field does not apply if the network type is TFTP.
Password	The password for the remote server username. This field does not apply if the network type is TFTP.

Step 8 Click **Submit**.

Clearing SEL

Procedure

- Step 1** From the menu bar, choose **Systems > Inventory and Fault Status**.
 - Step 2** In the left pane, select **Rack Groups** or expand **Rack Groups** and select the Rack Group which contains the server.
 - Step 3** In the right pane, select the **Rack Servers** tab.
 - Step 4** Double-click the sever from the list to view the details or click the sever from the list and click the down arrow on the far right and choose **View Details**.
 - Step 5** Click the **System Event Log** tab.
 - Step 6** Click **Clear IMC SEL Log**.
 - Step 7** (Optional) In the **Clear IMC SEL Logs** dialog box, check the **Delete historical logs from Cisco IMC Supervisor** check box.
Selecting this option clears the system event logs from the Cisco IMC Supervisor GUI.
 - Step 8** Click **Submit**.
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Physical Accounts Menu

Physical Accounts menu displays the following tabs:

Tab	Description
Rack Groups	This tab displays all the rack groups in Cisco IMC Supervisor.
Rack Accounts	This tab displays all the rack accounts in Cisco IMC Supervisor. You can also use this tab to create, edit, delete, and test rack accounts.
Discovered Devices	This tab displays all the devices which are in the configured subnet. You can also configure and delete a profile in this tab.

Managing Physical Servers

Managing Rack Groups

Adding a Rack Group

Refer [Adding a Rack Group](#) to create rack groups.

Editing a Rack Group

Perform this procedure when you want to edit a rack group.

Before You Begin

The rack group has already been created under Rack Groups.



Note You cannot edit the Default Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
- Step 2** From the list of groups, select the group you want to edit.
- Step 3** Click **Modify**.
- Note** You cannot see the **Modify** button till you select the rack group from the list.
- Step 4** In the **Modify Rack Group** dialog box, complete the following fields:

Field	Description
New Group Name field	A descriptive name for the Rack Group.
New Description field	(Optional) A description of the Rack Group.

- Step 5** Click **Modify**.
- Step 6** In the confirmation dialog box, click **OK**.
-

Deleting a Rack Group

Perform this procedure when you want to delete a rack group.

Before You Begin

The rack group has already been created under Rack Groups.



Note You cannot delete the Default Rack Group.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
- Step 2** From the list of groups, select the group you want to delete.
- Step 3** Click **Delete**.
- Note** You cannot see the **Delete** button till you select the rack group from the list.
- Step 4** (Optional) If you want to delete the rack accounts associate with the rack group you want delete, then check the **Delete rack accounts within rack group (rack group name)** checkbox.
- Note** If you leave **Delete rack accounts within rack group (rack group name)** unchecked, the associated rack accounts are moved to **Default Group**.
- Step 5** Click **Delete**.
- Step 6** In the confirmation dialog box, click **OK**.
-

Managing Rack Accounts

Adding a Rack Account

Refer [Adding a Rack Account](#) to create rack accounts.



Note You can create a rack account again immediately without having to wait for the previous command of creating a rack account to complete.

Editing a Rack Account

Perform this procedure when you want to edit a rack account.

Before You Begin

The rack account has already been created under Rack Accounts.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
- Step 2** Click the **Rack Accounts** tab.
- Step 3** From the list of accounts, select the account you want to edit.
- Step 4** Click **Modify**.
- Note** You cannot see the **Modify** button till you select the rack account from the list.
- Step 5** In the **Modify Account** dialog box, complete the following fields:

Field	Description
Description field	(Optional) A description of the Rack Account.
Use Credential Policy checkbox	(Optional) If you have already created credential policies, then check this box to select the policy from the drop-down list.
If you check Use Credential Policy checkbox	
Credential Policy drop-down list	Choose a policy from the drop-down list.
If you uncheck Use Credential Policy checkbox	
User Name field	Login ID for the rack mount server.
Password field	Password for the login ID for the rack mount server.
Protocol drop-down list	Choose https or http from the list.
Port field	The port number associated with the selected protocol.
Rack Group drop-down list	Choose a rack group from the list.
Contact field	(Optional) The contact email address for the account.
Location field	(Optional) The location of the account.

- Step 6** Click **Modify**.
- Step 7** Click **OK**.

Testing Account Connection

Perform this procedure when you want to test a rack account connection. We recommend you to perform this procedure for every new account added in Cisco IMC Supervisor.

Before You Begin

The rack account has already been created under Rack Accounts.

Procedure

- Step 1** From the menu bar, choose **Administration > Physical Accounts**.
 - Step 2** Click the **Rack Accounts** tab.
 - Step 3** From the list of rack accounts, select the account for which you want to test the connection.
 - Step 4** Click **Test Connection**.
Note You cannot see the **Test Connection** button till you select the rack account from the list.
 - Step 5** In the **Test Connection** dialog box, click **Submit**.
Testing the connection may take several minutes.
 - Step 6** In the confirmation dialog box, Click **OK**.
-

Deleting a Rack Account

Perform this procedure when you want to delete a rack account.

Before You Begin

The rack account has already been created under Rack Accounts.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
 - Step 2** Click the **Rack Accounts** tab.
 - Step 3** From the list of rack accounts, select the account you want to delete.
 - Step 4** Click **Delete**.
 - Step 5** In the **Delete Rack Server Accounts** dialog box, click **Select** and check the check boxes of the rack accounts you want to delete.
 - Step 6** Click **Select**.
 - Step 7** Click **Submit**.
 - Step 8** In the confirmation dialog box, click **OK**.
-

Collecting Inventory for Multiple Rack Accounts or Rack Groups

Perform this procedure when you want to collect inventory for a rack account or server.

Before You Begin

The rack account or server has already been created under Rack Accounts.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
 - Step 2** Click the **Rack Accounts** tab.
 - Step 3** A list of rack accounts is displayed.
 - Step 4** Click **Inventory**.
 - Step 5** In the **Collect Inventory for Account(s)** dialog box, choose **Rack Group** or **Rack Account** to choose the servers from the drop-down list.
 - Step 6** Click **Select** to select the servers.
 - Step 7** In the **Select** dialog box, choose the servers and click **Select**.
Note You can use the search bar at the top of the report if you want to filter rack groups or rack accounts for selection.
 - Step 8** Click **Submit**.
 - Step 9** In the confirmation dialog box, click **OK**.
-

Assigning Rack Accounts to a Rack Group

Perform this procedure when you want to assign servers to a rack group.

Before You Begin

The rack account or server has already been created under Rack Accounts.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
 - Step 2** Click the **Rack Accounts** tab.
 - Step 3** A list of servers is displayed.
 - Step 4** Select a server or multiple servers and click **Assign Rack Group**.
 - Step 5** In the **Assign Rack Groups** dialog box, select the rack group you want to assign the servers to.
 - Step 6** Click **Submit**.
 - Step 7** In the confirmation dialog box, click **OK**.
-

Managing Server Discovery

Discovering and Importing a Server

Perform this procedure when you want to auto discover and import a server.

Procedure

	Command or Action	Purpose
Step 1	Configure a discovery profile.	Refer Configuring Auto Discovery Profile , on page 19.
Step 2	Discover a server.	Refer Performing Auto Discovery , on page 20.
Step 3	Import a Server.	Refer Importing a Server , on page 21.
Step 4	Delete a discovery profile.	(Optional) Refer Deleting Auto Discovery Profile , on page 22.
Step 5	Clear a server from the auto discovered list.	(Optional) Refer Clearing Auto Discovery List , on page 22.

Configuring Auto Discovery Profile

You should configure the profile based on which Cisco IMC Supervisor can discover the devices. You can have any number of profiles in Cisco IMC Supervisor.

Perform this procedure when you want to add or edit a auto discovery profile.

Procedure

- Step 1** From the menu bar, choose **Administration > Physical Accounts**.
- Step 2** Click the **Discovered Devices** tab.
- Step 3** Click **Configure**.
- Step 4** In the **Discovery Configuration Criteria** dialog box you can either create a new profile or edit an existing profile.
To create a new profile, complete the following:

Field	Description
Select Profile drop-down list	Select <New> from the drop-down list.
Profile Name Field	A descriptive name for the profile.
Search Criteria drop-down list	Select IP Address Range , Subnet Mask Range , IP Address CSV File , or IP Address List from the drop-down list.

Field	Description
If you select IP Address Range	
Starting IP Field	Valid IP address
Ending IP Field	Valid IP address
If you select Subnet Mask Range	
Network Address Field	Valid IP address
Subnet Mask drop-down list	Select a value from the drop-down list.
If you select IP Address CSV File	
Select a file for upload field	Click Browse and navigate to a .csv file which contains the IP addresses.
If you select IP Address List	
IP Addresses field	Enter multiple IP addresses separated by comma.
Use Credential Policy checkbox	If you have already created credential policies, then check this box to select the policy from the drop-down list.
If you check Use Credential Policy checkbox	
Credential Policy drop-down list	Choose a policy from the drop-down list or click the + icon and create new policy. Refer Creating a Credential Policy to create a new policy.
If you uncheck Use Credential Policy checkbox	
User Name field	The server login name.
Password field	The server login password
Protocol drop-down list	Choose https or http from the list.
Port field	Enter a port number.

Step 5 Click **Submit**.

Step 6 In the confirmation dialog box, click **OK**.

Performing Auto Discovery

Perform this procedure when you want to perform auto discovery.

Before You Begin

You should configure a profile based on which Cisco IMC Supervisor can discover the devices.

Procedure

- Step 1** From the menu bar, choose **Administration > Physical Accounts**.
- Step 2** Click the **Discovered Devices** tab.
- Step 3** Click **Discover**.
- Step 4** In the **Discover Devices** dialog box, select a profile from the **Select Profile** drop-down list.
- Step 5** Click **Submit**.
- Step 6** In the confirmation dialog box, click **OK**.

Importing a Server

Perform this procedure when you want to import a server using auto discovery.

Before You Begin

- You should configure a profile based on which Cisco IMC Supervisor can discover the devices.
- You have already performed a auto discovery.

Procedure

- Step 1** From the menu bar, choose **Systems > Physical Accounts**.
- Step 2** Click the **Discovered Devices** tab.
- Step 3** Click **Import**.
- Step 4** In the **Import Discovered Devices** dialog box, complete the following: click **Select** button.

Field	Description
Select Device(s) field	Click Select to choose the devices to import. Check the check boxes of all the servers you want to import. Note For a server, if the Account Exists column is marked with Yes , then it implies that this account is currently being managed by Cisco IMC Supervisor. You must select accounts that are marked with No to proceed without any errors.
Select Rack Group drop-down list	Choose the rack group.

Step 5 Click **Submit**.

Step 6 In the confirmation dialog box, click **OK**.

Note You can import discovered devices again without having to wait for the previous import to complete.

Deleting Auto Discovery Profile

Perform this procedure when you want to delete a auto discovery profile.

Before You Begin

You should configure a profile based on which Cisco IMC Supervisor can discover the devices.

Procedure

Step 1 From the menu bar, choose **Administration > Physical Accounts**.

Step 2 Click the **Discovered Devices** tab.

Step 3 Click **Delete Profile**.

Step 4 In the **Delete Profile** dialog box, select a profile from the **Select Profile** drop-down list.

Step 5 Click **Submit**.

Step 6 In the confirmation dialog box, click **OK**.

Clearing Auto Discovery List

Perform this procedure when you want to delete a server or all the servers from the auto discovered list.

Before You Begin

- You should configure a profile based on which Cisco IMC Supervisor can discover the devices.
- You have already performed auto discovery.

Procedure

Step 1 From the menu bar, choose **Administration > Physical Accounts**.

Step 2 Click the **Discovered Devices** tab.

Step 3 Click **Clear**.

Step 4 In the **Clear Devices** dialog box, click **Select** button.

Step 5 In the **Select** dialog box, check the check box of the server you want to delete.

Note To select all the servers, check the topmost check box.

- Step 6** Click **Select**.
- Step 7** In the **Clear Devices** dialog box, click **Submit**.
- Step 8** In the confirmation dialog box, click **OK**.

Firmware Management Menu

Firmware Management menu displays the following tabs:

Tab	Description
Images - Local	This tab displays the firmware image details that you downloaded to the appliance from cisco.com. The firmware image details are listed against the configured profile associated with the image. You can also use this tab to refresh the report data, add report as a favorite, view profile configuration details, add, modify and delete a firmware image.
Images - Network	This tab displays the firmware image details that reside in a network share such as the Network File System (NFS), Common Internet File System (CIFS), or HTTP(s) system. A rack server CIMC picks up these images during upgrade. You can now manage these network locations that contain images using Cisco IMC Supervisor. You can also use this tab to refresh the report data, add report as a favorite, view profile configuration details, add, modify and delete a firmware image.
Firmware Upgrades	This tab allows you to create firmware upgrade profiles and upgrade the devices.

Managing Firmware

Adding Images to a Local Server

Procedure

- Step 1** From the menu bar, choose **Systems > Firmware Management**.
- Step 2** Click **Images - Local** tab and click + to add an image.
- Step 3** In the **Add Firmware Image - Local** dialog box, complete the following:

Field	Description
Profile Name field	Enter a descriptive and unique profile name.
User Name (cisco.com) field	Enter your Cisco login user name.

Field	Description
Password (cisco.com) field	Enter your Cisco login password.
Enable Proxy Configuration check box	(Optional) Check this checkbox to enable proxy configuration and complete the following: <ul style="list-style-type: none"> • Host Name field - Enter a host name for the proxy configuration. • Port field - Enter the port for the proxy configuration.
Enable Proxy Authentication check box	(Optional) Check this checkbox to enable proxy authentication and complete the following: <ul style="list-style-type: none"> • Proxy User Name field - Enter a proxy user name for the proxy authentication. • Proxy Password field - Enter the password for the proxy user name.
Platform drop-down list	Choose a platform from the drop-down list. Only platforms that manage at least one server is listed here.
Available Image drop-down list	Choose the .iso image from the drop-down list.
Download Now check box	Check this check box to download the .iso image immediately after adding a profile. If not, you can click on Download Image to download the image later.
Accept License Agreement	Check this check box to accept the license agreement. Click on the Terms and Conditions link to read the End User License Agreement. Note You cannot create a firmware profile without accepting the license agreement even if you want to download the image later.

Step 4 Click **Submit**.

Step 5 In the **Submit Result** dialog box, click **OK**.

- Note**
- You can click **View Location Details** to view profile configuration details, click **Modify** to modify the firmware image details, and click **Delete Profile** to delete the image profile. You can select multiple profiles concurrently and delete them.
 - The profile name must be unique across both Local and Network image profiles.
 - For downloading the E-Series firmware images you must associate a contract access to the cisco.com account.

Adding Images from a Network Server

Procedure

- Step 1** From the menu bar, choose **Systems > Firmware Management**.
- Step 2** Click **Images - Network** tab and click + to add an image.
- Step 3** In the **Add Firmware Image - Network** dialog box, complete the following:

Field	Description
Profile Name field	A descriptive and unique name for the profile.
Platform drop-down list	Choose a platform from the drop-down list. Only platforms that manage at least one server is listed here.
Server Type drop-down list	Choose either Network File System (NFS), Common Internet File System (CIFS) or HTTP/S server types.
Remote IP field (only for NFS and CIFS server types)	Enter remote IP address.
Remote Share field (only for NFS and CIFS server types)	Enter remote share path.
Remote File Name field (only for NFS and CIFS server types)	Enter a remote filename. Note The remote filename is the Unified Computing System (UCS) Server Configuration Utility ISO file.
Location Link field (only for HTTP server type)	Enter a valid http/https URL link for the image location.
User Name field	Enter a network path user name.
Password field	Enter a network path password.
Mount Options drop-down list (only for CIFS server type)	Select valid mount options from the Mount Options drop-down list. Note Mount Options drop-down list is applicable only for servers running Cisco IMC 2.0(8) and later.

- Step 4** Click **Submit**.
- Step 5** In the **Submit Result** dialog box, click **OK**.
Note
 - You can click **View Location Details** to view profile configuration details, click **Modify** to modify the firmware image details, and click **Delete Profile** to delete the image profile. You can select multiple profiles concurrently and delete them.
 - The profile name must be unique across both Local and Network image profiles.

Upgrading Firmware

Perform this procedure when you want to upgrade firmware.

Before You Begin

If you are upgrading to Cisco IMC version 2.0(x), you must change the default Cisco IMC password.

Procedure

Step 1 From the menu bar, choose **Systems > Firmware Management**.

Step 2 Click the **Firmware Upgrades** tab.

Step 3 Click **Run Upgrade**.

A warning message that running upgrade on the selected servers will cause the host to reboot into the firmware update tool and on completing the firmware update, the servers will reboot back to the host OS is displayed.

Step 4 Click **OK** to confirm.

Step 5 In the **Upgrade Firmware** dialog box complete the following:

Field	Description
Select Profile drop-down list	Choose a profile from the drop-down list.
Select Server	Choose the servers from the list and click Select . The list displays only those servers whose platform matches the one configured in the selected profile.

Step 6 In the **Upgrade Firmware** dialog box, click **Submit**.

Step 7 Click **OK**.

Note You can click **View Upgrade Details** to view firmware upgrade details and click **Delete Upgrade Status** to delete the status records for the specified upgrade operation.
