



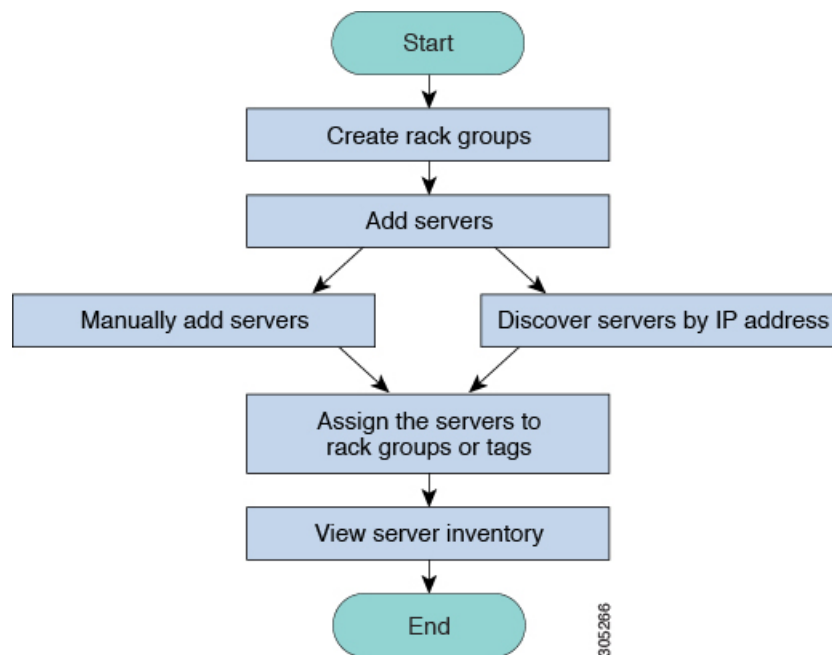
Managing Server Discovery, Rack Groups, and Rack Accounts

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Overview

The following figure illustrates the workflow for managing groups, rack accounts and discovering servers in Cisco IMC Supervisor. Ideally you would create a rack group and add servers to these rack groups. You can either manually add the servers or discover the servers. You can view detailed inventory of these servers.



Use Case: When you install Cisco IMC Supervisor for the first time, you must set up the environment as there is nothing preconfigured. There may be hundreds of systems across the globe which you will need to manage. You can bring these servers into Cisco IMC Supervisor either by adding them manually or by discovering them by IP address. Before doing so, you can think of logically filtering these servers and tagging them based on your organization's requirement. For example, you can group them into regions, building numbers, operating systems and so on. With the help of tag management, finer granular grouping of servers coming into Cisco IMC Supervisor is possible. For example, you can add tags to servers which contain Windows, Linux, and so on and group them under the Operating Systems rack group. You also have the flexibility of adding tags on the fly for an existing server.

There is no set way of naming the rack groups or tags. You can be creative with coming up with names as per your requirement. Names of rack groups and tags can be interchanged. For example, you can have rack groups named Windows, Linux and so on and then tag them under the Operating System tag name.

Discovering and Importing a Server

You can automatically discover rack mount servers and import them into Cisco IMC Supervisor. The following sections cover topics such as configuring auto discovery profile, performing auto discovery, and importing auto discovered servers.

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 an auto discovery profile.

Procedure

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

Step 2 Click the **Discovery Profiles** tab.

Step 3 Click **Add**.

Step 4 In the **Add Discovery Profile** dialog box, complete the following:

Field	Description
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.
Starting IP Field	Valid IP address
Ending IP Field	Valid IP address
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**.

Note You can also modify, delete, and view profiles. Click **Edit**, **Clear**, **Delete**, or **View** to perform these tasks.

Performing Auto Discovery

Perform this procedure when you want the system to automatically discover rackmount servers and import them into Cisco IMC Supervisor.

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 **Systems > Physical Accounts**.
- Step 2** Click the **Discovered Devices** tab.
- Step 3** Click **Discover**.
- Step 4** In the **Discover Devices** dialog box, complete the following fields: select a profile from the **Select Profile** drop-down list.

Field	Description
Select Profile drop-down list	Click Select to choose the profiles to discover. Check the check boxes of all the profiles you want to discover.
Schedule Later check box	Check this check box and select an existing schedule to auto discover servers at a later time or click on + to create a new schedule. For more information on creating schedules, see Creating Schedules . You can go to Policies > Manage Schedules , select a schedule and click View Scheduled Tasks to view the scheduled task or click Remove Scheduled Tasks to delete scheduled tasks.
Schedule(s) drop-down list	<p>If you have chosen the Schedule Later check box, this schedule(s) select a schedule you have created from the list.</p> <p>Note You can also create a new schedule from this dialog box.</p>

- 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:

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 If the Import Status of a particular rack account is imported then the status will be imported and will not show that rack account for import.
User Prefix	Enter a prefix for the user.
Description	Enter a description for the user.
Contact	Enter the contact details of the user.
Location	Enter the address of the user.
Select Rack Group drop-down list or + icon	Choose a rack group or create a rack group.

- Step 5** Click **Submit** if you have selected a rack group or **Create** if you have chosen to create a rack group.
- Step 6** In the confirmation dialog box, click **OK**.
- Note** You can import discovered devices multiple times without having to wait for the previous import process to complete.

Adding a Rack Group

Perform this procedure when you want to add a new rack group in Cisco IMC Supervisor. By default, a system-defined group **Default Group** is available.

Before You Begin

If you have logged in for the first time, ensure that the license is updated for Cisco IMC Supervisor. To upgrade the license, see [Updating the License](#).

Procedure

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

By default, **Rack Group** tab is selected.

Step 2 Click **Add**.

Step 3 In the **Create Rack Group** dialog box, complete the following fields:

Field	Description
Group Name field	A descriptive name for the rack group.
Description field	(Optional) A description of the rack froup.

Step 4 Click **Create**.

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

What to Do Next

Add one or more rack accounts to the rack group.

Adding a Rack Account

You can add a rackmount server to any of the Rack Group to the Cisco IMC Supervisor. After the account is added, you can use Cisco IMC Supervisor to manage the server.

Perform this procedure when you want to add a new rack-mount server to an existing rack group.

Before You Begin

- If you have logged in for the first time, ensure that the license is upgraded for Cisco IMC Supervisor. To upgrade the license, see [Updating the License](#).
- A rack group exists.



Note You can add a rack account under the system provided default group or a rack group which you have created.

- Ensure that you have enabled XML API in Cisco IMC Supervisor. This ensures that you can add and manage the rackmount servers from Cisco IMC Supervisor.

Procedure

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

Step 2 Click the **Rack Accounts** tab.

Step 3 Click **Add**.

Step 4 In the **Create Account** dialog box, complete the following fields:

Field	Description
Account Name field	A descriptive name for the rack account.
Server IP field	The IP address of the rackmount server.
Description field	(Optional) A description of the rack account.
Use Credential Policy check box	(Optional) If you have already created credential policies, then check this check box to select the policy from the drop-down list.
If you check Use Credential Policy check box	
Credential Policy drop-down list	Choose a policy from the drop-down list.
If you uncheck Use Credential Policy check box	
User Name field	Login ID for the rackmount server.
Password field	Password for the login ID for the rackmount 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 or + icon	Choose a rack group from the list or click + to create a rack group. For more information on creating a rack group, see Adding a Rack Group , on page 5.
Contact field	(Optional) The contact email address for the account.
Location field	(Optional) The location of the account.

Step 5 Click **Submit**.

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

What to Do Next

Test the rack server connection. Refer [Testing an Account Connection](#), on page 9.

Collecting Inventory for Rack Accounts or Rack Groups

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

Before You Begin

The rack account or rack group is already created under rack accounts.

Procedure

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- 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**.
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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

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- 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.
- Note** Click on the + icon next to **Assign Rack Group to selected server(s)** drop-down list to create a rack group.
- Step 6** Click **Submit**.
- Step 7** In the confirmation dialog box, click **OK**.
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Testing an 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.

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 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**.
The connection status and the reason for success or failure are displayed in the **Rack Accounts** page.
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