



Manage Compute Resources

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Manage VMware Vcenter Server

You can add, delete, edit, sync, and bulk import VMware Vcenter servers and also view the complete inventory of compute resources like data center, cluster, hosts and virtual machines (VMs).

Related Topics

- [Add a VMware vCenter Server, on page 1](#)
- [CSV File Requirements for Importing Vcenter, on page 2](#)

Add a VMware vCenter Server

Complete the following procedure to manually add a VMware vCenter server in order to manage it.

Before you Begin

You must install a Data Center Hypervisor license to collect vCenter server inventory information. For instructions on how to add this license, see [Licenses and Software Updates chapter in Cisco Prime Infrastructure Admin Guide](#).

Procedure

- Step 1** Choose **Inventory > Device Management > Compute Devices**.
- Step 2** From the **Compute Resources** pane, click **Discovery Sources**.
- Step 3** From the **Add Device** drop-down list, choose **Add Device**.
- Step 4** Specify the following parameters in the **Add Discovery Source** dialog box:
 - Protocol**—Choose **HTTP** or **HTTPS**.
 - Server**—Enter the hostname or IP address of the vCenter server.
 - Port**—Enter **80** for HTTP or **443** for HTTPS.
 - Username and Password**—Enter the credentials required to log into the vCenter server.

You will need to enter the password a second time in order to confirm it.

Note Do not use comma (,) in password. It will split the password when you add the device to Prime Infrastructure.

Step 5 (Optional) Click **Verify Credentials** to confirm the credentials you entered are valid before adding the vCenter server.

Step 6 Click **Add**.

Step 7 From the **Discovery Sources** page, locate the vCenter server you just added and view its value in the **Virtual Inventory Collection Status** column.

If **No License** is displayed, you need to install a Data Center Hypervisor license. This license is required to collect the server's inventory information.

Related Topics

[CSV File Requirements for Importing Vcenter](#), on page 2

CSV File Requirements for Importing Vcenter

To import a VMware vCenter server from another source into Cisco Prime Infrastructure using a CSV file, download a sample template by doing the following:

1. Choose **Inventory > Device Management > Compute Devices**.
2. From the **Compute Resources** pane, click **Discovery Sources**.
3. From the **Add Device** drop-down list, choose **Bulk Import**.
The **Bulk Import** dialog box opens.
4. Click the **here** link to download a bulk virtual discovery sample template.

To enable full inventory collection in Cisco Prime Infrastructure, you must provide values for the following parameters in the CSV file for the discovery source:

- IP address or hostname
- Password
- Port number
- Username
- Protocol

Related Topics

[Add a VMware vCenter Server](#), on page 1

Monitor Compute Resource Performance

Prime Infrastructure monitors the managed compute resources by periodically polling the devices.

Prime Infrastructure supports periodic polling of a predefined set of key performance indicators (KPIs) related to CPU, memory, disk and network for monitoring the health of the virtual elements. Prime Infrastructure does not poll the VM directly, but it gets the data periodically from the Vcenter via the application programming interfaces (APIs). The default polling interval is 5 minutes. You can change the polling interval as described below.

Related Topics

[Set the Polling Interval for Data Center Devices](#), on page 3

[Set Up Cluster Monitoring](#), on page 3

Set the Polling Interval for Data Center Devices

Polling can be enabled on a data center, cluster, and host. When you do so, polling is automatically enabled on the children of the entity you select for polling. For example, if you enable polling on a cluster, polling is also enabled on all of the hosts and VMs that belong to that cluster.

To set the polling interval:

Procedure

- Step 1** Choose **Administration > Settings > System Settings**, then choose **Inventory > Datacenter Settings**.
- Step 2** Choose the polling interval from the drop-down list.
5 mins is the default value.
- Step 3** Click **Save**.
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Related Topics

[Set Up Cluster Monitoring](#), on page 3

Set Up Cluster Monitoring

Complete the following procedure to monitor a cluster:

Procedure

- Step 1** Choose **Inventory > Device Management > Compute Devices**.
- Step 2** From the **Compute Resources** pane, click **Clusters**.
- Step 3** Check the check box for the cluster you want to monitor and then click **Start Monitoring**.

Note the following:

- To stop monitoring a cluster, complete this procedure but click **Stop Monitoring** in Step 3 instead.
 - You cannot stop the monitoring of a parent data center or cluster from its child host or cluster. However, you can stop the monitoring of a child host or cluster from its parent data center or cluster.
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Related Topics

[Set the Polling Interval for Data Center Devices](#), on page 3