



Managing and Monitoring Compute Resources

Managing 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

- [Adding VMware Vcenter Servers](#)
- [CSV File Requirements for Importing Vcenter](#)

Adding VMware Vcenter Servers

You can manage a Vcenter server by manually adding a Vcenter server.

Before you Begin

You must add Data Center Hypervisor license for collecting the inventory of Vcenter server. For adding Data Center Hypervisor license, see *Adding a License to Access Features* in Related Topics.

To add a Vcenter Server:

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- Step 1** Choose **Inventory > Compute Devices > Discovery Sources**.
 - Step 2** Click **Add Device**.
 - Step 3** Enter the following parameters in the **Add Discovery Source** page.
 - Protocol—HTTP/HTTPS.
 - Server—Host Name/IP address of Vcenter.
 - Port—443 for HTTPS; 80 for HTTP.
 - User Name/Password—Vcenter credentials.
 - Step 4** (optional) Click **Verify Credentials** to confirm the Vcenter credentials before adding Vcenter.
 - Step 5** Click **Add**.

You can view the inventory collection status of the manually added Vcenter server in the Discovery Sources page. Add the Data Center Vcenter license, if the **Virtual Inventory Collection Status** shows “No License”.

Related Topics

- [Adding a Traditional License to Access Features](#)
- [CSV File Requirements for Importing Vcenter](#)

CSV File Requirements for Importing Vcenter

To use a CSV file to import Vcenter from another source into Prime Infrastructure, you can download a sample template by choosing **Inventory > Compute Devices > Discovery Sources**, then clicking **Bulk Import**. Click the link to download a bulk virtual discovery sample template.

For full inventory collection in Prime Infrastructure, you must provide the following values in the CSV file:

- Discovery Source
- Discovery Source Password
- Discovery Source Port
- Discovery Source User Name
- Protocol

Related Topics

- [Adding VMware Vcenter Servers](#)

Monitoring Performance of Compute Resources

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

- [Setting Polling Interval for Monitoring Compute Resources](#)
- [Monitoring Clusters](#)

Setting Polling Interval for Monitoring Compute Resources

To set the polling interval:

- Step 1** Choose **Administration > Settings > System Settings > Datacenter Settings**.

- Step 2** Choose the Polling Interval from the drop-down list.
- Step 3** Click **Save**.
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Polling can be enabled/disabled on data center, cluster and host. The children of the entity selected for polling would be automatically selected for polling. For example, if polling is enabled on a cluster, then all the hosts and VM belonging to that host would be automatically selected for polling. Click the **Start Monitoring** button on Data Center, Cluster and Hosts list view in **Compute Device** screen to enable polling.

Related Topics

- [Monitoring Clusters](#)

Monitoring Clusters

If monitoring is enabled from parent (data center or cluster) then it cannot be stopped from child (host or cluster). But you can stop the monitoring enabled from child (host, cluster) by clicking **Stop Monitoring** from parent (data center, cluster).

To monitor a cluster:

- Step 1** Choose **Inventory > Device Management > Compute Devices**.
- Step 2** Click **Clusters** in the **Compute Resources** pane.
- Step 3** Choose the clusters and click **Start Monitoring**.
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Related Topics

- [Setting Polling Interval for Monitoring Compute Resources](#)

