Configuring VM Managers

This section includes the following topics:

VM Manager Overview

Prime Network Services Controller connects to VM management software on port 80. A VM Manager extension file is required to establish a connection between Prime Network Services Controller and the VM management software. The extension file is exported from Prime Network Services Controller and installed as a plugin on all VM Manager servers to which you want to connect.

You can configure a VM Manager in Prime Network Services Controller under Administration, Resource Management, or InterCloud Management. All VM Managers that you add to Prime Network Services Controller are displayed in all three locations.

Note In VMware, a VM can be nested within resources. However, when you view the VM properties in Prime Network Services Controller, only the higher level resource is displayed. For example, you can add a VM that is part of a resource pool that resides in a virtual application (vApp). When you view this VM in Prime Network Services Controller, only the vApp name is displayed and not that of the resource pool.

Adding a VM Manager

Adding a VM Manager to Prime Network Services Controller establishes a connection between the selected VM and Prime Network Services Controller and enables you to take advantage of other Prime Network Services Controller features, such as InterCloud Management.

Before You Begin

A VM Manager extension file is required to establish a secure connection between the VM management software and Prime Network Services Controller. Export the VM Manager extension file by clicking **Export vCenter Extension**, and installing the file as a plugin on all VM management servers to which you want to connect.

You can find the Export vCenter Extension option in the following locations:

- **Resource Management > Resources > Virtual Machines > VM Managers**.

- **InterCloud Management > Enterprise > VM Managers**.

- **Administration > VM Managers > VM Managers**.

Note   If you use Internet Explorer, do one of the following to ensure that you can download the extension file:

- Open Internet Explorer in Administrator mode.

- After starting Internet Explorer, choose **Tools > Internet Options > Security**, and uncheck the **Enable Protected Mode** check box.

For detailed information on configuring Prime Network Services Controller connectivity with the VM management software, see the *Cisco Prime Network Services Controller 3.0 Quick Start Guide*, available at http://www.cisco.com/en/US/products/ps11213/tsd_products_support_series_home.html.

Procedure

Step 1   Choose any of the following:

- **Resource Management > Resources > Virtual Machines > VM Managers**

- **InterCloud Management > Enterprise > VM Managers**

- **Administration > VM Managers > VM Managers**

Step 2   Click **Add VM Manager**.

Step 3   In the Add VM Manager dialog box, supply the following information, then click **OK**:

Field	Description
Name	VM Manager name, containing 2 to 256 characters. The name can contain alphanumeric characters, hyphen (-), underscore (_), period (.), and colon (:). You cannot change the name after it is saved.
Description	VM Manager description, containing 1 to 256 characters. The description can contain alphanumeric characters, hyphen (-), underscore (_), period (.), and colon (:).
Hostname/IP Address	Hostname or IP address of the VM Manager.

Field	Description
Port Number	Port to use for communications with the VM Manager.

Editing a VM Manager

When you edit a VM Manager, you can change its administrative state as long as the VM Manager has the appropriate operational state:

- To change the administrative state to enabled, the operational state must be down.

- To change the administrative state to disabled, the operational state must be up.

If your request to change the administrative state fails, resubmit the request when the system has the correct operational state.

Procedure

Step 1   Choose one of the following:

- **Resource Management > Resources > Virtual Machines > VM Managers**

- **InterCloud Management > Enterprise > VM Managers**

- **Administration > VM Managers > VM Managers**

Step 2   In the VM Managers tab, select the VM Manager you want to edit, then click **Edit**.

Step 3   In the Edit VM Manager dialog box, edit the information as required, then click **OK**.

Field	Description
Name	VM Manager name (read-only).
Description	Description of the VM Manager.
Hostname/IP Address	VM Manager hostname or IP address (read-only).
Port Number	Port to use for communications with the VM Manager (read-only).

Field	Description
Admin State	One of the following administrative states for the VM Manager: • enable—When a vCenter is added to Prime Network Services Controller with the administrative state of enable, the system fetches all VM inventory from vCenter. Any changes that occur to the VM on vCenter are also fetched. • disable—When a vCenter is added to Prime Network Services Controller with the administrative state of disable, the system displays all discovered VMs from vCenter. Any changes that occur to the VMs on the vCenter are not fetched. The changes will be fetched by Prime Network Services Controller when the admin state is changed to enable.
Type	VM Manager vendor (read-only).
Version	VM Manager version (read-only).
Operational State	One of the following operational states (read-only): • up • unreachable • bad-credentials • comm-err • admin-down • unknown
Operational State Reason	Provides the reason for the operational state if the operational state is anything other than *up* (read-only).

Deleting a VM Manager

Procedure

Step 1   Choose one of the following:

  • **Resource Management > Resources > Virtual Machines > VM Managers**

  • **InterCloud Management > Enterprise > VM Managers**

  • **Administration > VM Managers > VM Managers**

Step 2   Select the VM Manager that you want to delete, then click **Delete**.

Step 3   When prompted, confirm the deletion.