Managing Virtual Data Centers

This chapter contains the following sections:

About Virtual Data Centers

A Virtual Data Center (vDC) is an environment that combines virtual resources, operational details, rules, and policies to manage specific group requirements.

In Cisco UCS Director, a group can have and manage multiple virtual data centers. The system administrator can allocate quotas and assign resource limits for individual groups at the vDC level.

You can also define approvers for a vDC. This person approves user requests for VM provisioning in the vDC.

Note   There is a default vDC to which all discovered VMs are automatically added. These discovered VMs were either created outside of Cisco UCS Director, or existed on the SCVMM account before it was added to Cisco UCS Director.

Managing Virtual Data Centers

Step 1   On the menu bar, choose **Policies** > **Virtual/Hypervisor Policies** > **Virtual Data Centers**.

Step 2   Click the **vDC** tab.
The vDCs in the Cisco UCS Director are displayed. The **vDC** tab provides the following actions:

Action	Description
Refresh	Refreshes the current page.

Action	Description
Favorite	Adds this page to the **Favorites** tab which displays the page that you go to most often.
Add	Creates a vDC in the Cisco UCS Director.
vDC Creation Wizard	Provides wizard to configure the policies required to provision a VM on private clouds.

When you choose a vDC, the following actions appear:

Action	Description
View	Displays the vDC details.
Edit	Edits a vDC.
Delete	Deletes a vDC after confirmation.
Clone	Clones a vDC.
Manage Categories	Displays categories defined in the vDC.
Validate	Validates the vDC.

Adding a Virtual Data Center

When completing a service request for VM provisioning, users can view a list of available vDCs for a particular group, and select the appropriate vDC.

A VM provisioned using a service request is associated with the vDC.

Step 1 On the menu bar, choose **Policies** > **Virtual/Hypervisor Policies** > **Virtual Data Centers**.

Step 2 Click the **vDC** tab.

Step 3 Click **Add**.

Step 4 In the **Add vDC** dialog box, complete the following fields:

Name	Description
Account Type drop-down list	Choose **HyperV** and click **Submit**.

Name	Description
General Information	
vDC Name field	The vDC name.
vDC Locked check box	Check this check box if you want to lock this vDC. If checked, this vDC cannot be used for any further deployments. Actions on existing VMs in the vDC are disabled.
vDC Description field	The vDC description.
Group drop-down list	Choose a group for which this vDC is being created, or click the + icon to add a new group to the selection list.
Cloud Name drop-down list	Choose a cloud (SCVMM account) on which you wan to create the VDC.
Approvers and Contacts	
First Approver Username field	(Optional) The first approver of the service request created using this vDC.
Second Approver Username field	(Optional) The second approver of the service request created using this vDC.
Approval required from all the users check box	Check this check box if the approval is required from all the users of the vDC.
Number of Approval Request reminders field	The number of reminder emails to be sent to the approvers. **Note** Enter **0** to send reminder emails periodically until the request is approved or rejected.
Reminder Intervals (Hours) field	The number of reminder emails to be sent to the approvers.
Provider Support Email Address field	The contact user's email address. This user is notified about VM provisioning in this vDC.
Copy Notifications to Email Address field	(Optional) The secondary contact user's email address. This user is notified about VM provisioning in this vDC.
Policies	
Computing Policy drop-down list	Choose a Hyper-V computing policy for the vDC.
Network Policy drop-down list	Choose a Hyper-V network policy for the vDC.
Storage Policy drop-down list	Choose a Hyper-V storage policy for the vDC.
Deploy Policy drop-down list	Choose a Hyper-V deployment policy for the vDC.
Cost Model drop-down list	Choose a cost model for the vDC.

Name	Description
Disable displaying cost in the SR summary and email page check box	Check this check box to avoid displaying the cost model in the service request summary and email page.
User Action drop-down list	Choose a user action policy for the vDC.
End User Self-Service Policy drop-down list	Choose an end user self-service policy for the vDC.

Step 5   Click **Add**.