Managing VMware Templates

This chapter contains the following sections:

VMware Templates

A VMware Template is a master image of a virtual machine that can be used to create and provision virtual machines. A template typically includes a specified operating system and a configuration that provides virtual counterparts to hardware components. It cannot be powered on or edited, and is more difficult to alter than an ordinary virtual machine. Templates offer a more secure way of preserving a virtual machine configuration that you want to deploy multiple times.

Optionally, an administrator can create a standard catalog item on the VMware vSphere cloud that hosts a specific template. When an end user requests the catalog, a VM is provisioned based on the template that is mapped in the catalog. You can provision a VM on a datacenter by using a template available on a different datacenter under the same cloud.

Converting VMs to Images

Procedure

Step 1 On the menu bar, choose **Virtual** > **Compute**.
Step 2 Click the **VMs** tab.
Step 3 Choose the VM that you want to convert to an image.
Step 4 In the **VMs** pane, click the down arrow button from the top right corner.
Step 5 Choose **Convert VM as Image**.
Step 6 In the **Convert VM as Image** dialog box, complete the fields.
Step 7 Click **Submit**.

Cloning VMs as Images

Procedure

Step 1 On the menu bar, choose **Virtual** > **Compute**.
Step 2 Click the **VMs** tab.
Step 3 Choose the VM that you want to clone as an image.
Step 4 In the **VMs** pane, click the down arrow button from the top right corner.
Step 5 Choose **Clone VM as Image**.
Step 6 In the **Clone VM as Image** dialog box, complete the fields.
Step 7 Click **Submit**.

Viewing Image Reports

After you log into UCS Director, perform the following procedure to view all the images that belong to your group.

Procedure

Step 1 On the menu bar, choose **Virtual** > **Compute**.
Step 2 Click the **Images** tab.
The images reports provide the following types of information:

- **Cloud**

- **Image ID**
- **Parent Node**
- **Datacenter**
- **Guest OS**
- **VMware Tools Installed**
- **VMWare Tools Version**
- **VM Version**
- **Platform**
- **Architecture**
- **Number of CPUs**
- **Provisioned Disk**
- **CPU Reservation(MHz)**

Converting Images to VMs

Procedure

Step 1 On the menu bar, choose **Virtual** > **Compute**.
Step 2 In the **Compute for All Clouds** pane, choose the cloud.
Step 3 Choose the **Images** tab.
Step 4 Choose the image that you want to convert to a VM.
Step 5 Click **Convert as VM**.
Step 6 In the **Convert Image as VM** screen, click **Submit**.

Assigning Images to Groups

Procedure

Step 1 On the menu bar, choose **Virtual** > **Compute**.
Step 2 In the **Compute for All Clouds** pane, choose the cloud.
Step 3 Click the **Images** tab.
Step 4 Choose the image that you want to assign to a group.
Step 5 Click **Assign Image to Group**.
Step 6 In the **Assign Image to Group** dialog box, choose the user and group that will be associated with the image.
Step 7 Click **Submit**.