



VMware VM Provisioning

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About VMware VM Provisioning

In Cisco UCS Director you can provision new VMs in several ways, such as clone from template, clone from VM, using content library templates, and using ISO images.

See [VMware Templates](#) and [About Virtual Machine Provisioning Using ISO Images](#).

Cisco UCS Director also provides you with a predefined orchestration workflow called Provision VMware VM that you can execute to provision VMware VMs.

Creating Catalogs for Content Library-Based VM Provisioning

You can use the templates in content libraries to deploy virtual machines across VMware vCenter servers. The linked clone functionality is not supported with VM provisioning from content library VM templates. When the option to provision the new VM using a content library is selected, the **Use Linked Clone** option is disabled.



Note VMware content library discovery is only supported for VMware vCenter version 6.0 or later.

See [About VMware Content Libraries](#).

Cisco UCS Director supports VM provisioning using content library VM templates when a datastore or datastore cluster is selected as the target according to the following options selected in the VMware storage policy:

- Storage DRS is disabled on the datastore cluster—The datastore cluster will not be available for selection in the VMware Storage Policy and to use its datastore, you can select it as an independent datastore in the VMware Storage Policy.
- Storage DRS is enabled on the datastore cluster with the automation level set to Manual

- Storage DRS is enabled on the datastore cluster with the automation level set to Fully Automated



Note If Storage DRS is enabled on a datastore cluster with the automation level set to Fully Automated, and the allocated datastore is part of the datastore cluster, Cisco UCS Director skips the independent datastore selection during VM provisioning using the content library VM template. Instead the VM is provisioned on the datastore cluster and the following message displays in the SR log file:

```
Skipping selection of datastore for VM Provisioning using Content Library
template as given Target Datastore :{datastoreName} is attached to DRS
Enabled Datastore Cluster :{datastoreClusterName}
```

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- Step 1** Choose **Policies > Catalogs**.
- Step 2** Click **Add**.
- Step 3** On the **Add Catalog** screen, choose **Standard** from the **Catalog Type** drop-down list.
- Step 4** Click **Submit**.
- Step 5** On the **Basic Information** screen, complete the required fields, and check **Provision new VM using Content Library VM Template**.
- Step 6** Click the row with the VM template that you want to apply to the catalog.
- Step 7** Complete the remaining screens in the **Add Catalog** wizard and click **Next**.
- Step 8** At the final wizard screen, review the summary information and click **Submit**.
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Provisioning VMs Using Orchestration Workflows

- Step 1** Choose **Orchestration**.
- Step 2** On the **Orchestration** page, click **Workflows**.
- Step 3** Click the row with **VMware > Provision VMware VM**.
- Step 4** Click **Execute Now**.
- Step 5** On the **Executing Workflow** screen, complete the fields including the following:
- From the **VM Deployment Options** drop-down list, choose one of the following deployment options:
 - **Clone from Template**
 - **Clone from VM**
 - **Move VM to VDC**

Note You can provision a VM on one datacenter by using a template available on a different datacenter under the same cloud. Likewise, you can clone a VM from one datacenter to another datacenter under the same cloud.

- From the **Select VDC** drop-down list, choose the VDC on which the VM will be provisioned.

Step 6 Click **Submit**.
