



Working with Catalogs

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About Managing Catalogs

You can self-provision virtual machines (VMs) using predefined catalog items. A system administrator or an end-user can create a catalog. A catalog defines parameters, such as the cloud name and the group name to which the VM is bound.

The following folders are available by default. You cannot edit or delete them.

- Standard
- Advanced
- Service Container

To aid in managing catalogs, Cisco UCS Director allows you to group similar catalogs within a folder. While creating a catalog, you can choose to add it in a previously created folder, or create a new folder. A folder is visible in the system only when it contains a catalog.

The **Manage Folder** option on the **Catalog** page allows you to perform the following tasks:

- Edit a folder—Modify the name of a user-created folder or the folder icon for all folders. You cannot modify the name of a default folder.
- Delete a folder—Delete a folder from Cisco UCS Director. If this folder contains catalogs, then these catalogs are automatically moved into the folders that are available by default, based on the catalog type. Default folders cannot be deleted.

- Re-order the list of folder—Change the order in which the folders are listed in the **Catalog** page. By default, folders are listed alphabetically.

**Important**

If you have upgraded Cisco UCS Director to the latest version, then all catalogs created in prior versions are grouped into folders available by default, based on their catalog types.

By default, the catalogs will be displayed in a tile view format.

**Note**

Place the **Catalogs** option on the menu bar to easily access all the catalog-related options. Click your user name on the top right corner of the interface, choose the **Catalogs** tab in the **User Information** dialog box, and check the **Enable Catalogs** check box.

Catalog Organization

The Self-Service Portal organizes the catalogs in folders by name. A set of default folders, named for the catalog types, are automatically created and sorted alphabetically. However, you do not have to use these default folders. When you create a catalog, you can place it in a default folder or into a custom folder with a name that you choose. For example, if you create a Standard Catalog to provision a Windows 2012 operating system for a VM, you can allow Cisco UCS Director to place it in the Standard folder, or you can create a custom folder with a name that identifies the operating system, such as VM-Windows2012OS.

Catalog folders created by administrators in Cisco UCS Director display in the Self-Service Portal.

In the **Catalog** pane, you can use the **Move Up** and **Move Down** icons to change the organization of the catalog folders.

**Note**

You can also use the **Manage Folder** icon to choose a folder and move it in relation to existing folders.

While creating a catalog in Cisco UCS Director, an administrator can specify a user group or a specific users that can view the catalog. If you are a user in the selected group, then your view is populated with the appropriate catalogs.

About Publishing Advanced Catalogs

When you choose the Advanced catalog type, you can provision workflow catalogs. End users can execute workflows with these catalogs during a Service Request. You create an Advanced Catalog Item by defining parameters such as Group Name and Workflow.

Creating a Catalog

Procedure

- Step 1** On the menu bar, click **Catalog**.
- Step 2** Click **Add (+)**.
- Step 3** In the **Catalog Add** dialog box, complete the following fields:

Name	Description
Catalog Type drop-down menu	Choose a value from the following list: <ul style="list-style-type: none"> • Standard—This catalog type is used for general service requests (Generic VM provisioning). • Advanced—This catalog type is for workflow execution (this workflow) can be called and the end user can execute it as well. • Service Container—This catalog type is for application containers VM provisioning.

- Step 4** Click **Submit**.
- Step 5** In the **Basic Information** pane complete the following fields:

Name	Description
Catalog Name field	The name of the catalog. Note After you create a catalog, you cannot modify the name.
Catalog Description field	The description of the catalog.
Catalog Type drop-down list	This is pre-selected in the previous step.
Catalog Icon drop-down list	Chose from a list of icons to associate this catalog with an image. This icon is seen when you are creating a service request using this catalog.
Cloud Name drop-down list	Choose the cloud with the image for VM provisioning.
Image drop-down list	Chose the type of image (any existing templates such as Windows, Linux and other files that make up the image) that you use when VMs are provisioned using this catalog.
Select Folder drop-down list	Choose a folder for the catalog.

Step 6 Click **Next**.

Step 7 In the **Applications Details** pane, edit the following fields:

Name	Description
Category drop-down list	Choose a VDC category.
Override check box	Check the check box to enable the end user to override the selected category while provisioning a VM using a service request.
Support Contact Email Address field	The email address of the contact who is notified when a service request is created using this catalog item.
Specify OS drop-down list	Choose the type of OS installed on the VM when it is provisioned. Note This option is not supported in the RHEV KVM Connector.
Specify Other OS field	Specify an OS that is not available in the Specify OS list. Note This option is not supported in the RHEV KVM Connector.
Specify Applications check box list	Check the appropriate check boxes to specify applications from the Select Items dialog box. These applications are installed on the VM during provisioning. Note This option is not supported in the RHEV KVM Connector.
Specify Other Applications field	Specify other applications that are not available in the Select Items dialog box. Note This option is not supported in the RHEV KVM Connector.
Application Code field	Specify an application code that is used in the VM name. The application code can be between 1 to 4 characters (for example: W2K3, DB, WS). The application code can be used in a system policy for the VM name by using the variable <code>\${APPCODE}</code> . For example, if the VM Name Template is <code>vm-\${GROUP_NAME}-\${APPCODE}</code> , the VM provisioned with the system policy has the name <code>vm-groupname-W2K3</code> . Note This option is not supported in the RHEV KVM Connector.

Step 8 Click Next.

Step 9 In the **User Credentials** pane, complete the following fields:

Name	Description
Credential Options drop-down list	Choose to allow or disallow users to retrieve VM access credentials (shared).
User ID field	The user ID. Note This field is available only if a choice is made under Credential Options .
Password field	The user password. Note This field is available only if a choice is made under Credential Options .

Step 10 In the **Customization** pane, complete the following fields:

Name	Description
Automatic Guest Customization Enable check box	Check the check box to enable automatic guest customization. If you do not check this check box, then Cisco UCS Director does not configure the DNS, Network, and Guest OS properties.
Post Provisioning Custom Actions check box	Check the check box to enable execution of an orchestration workflow after VM provisioning.
Workflow drop-down list	Choose a defined workflow for provisioning. Note This option appears when Post Provisioning Custom Actions is checked.
Virtual Storage Catalog Enable check box	Check the check box to select storage entries from the Virtual Storage catalog.
Virtual Storage Catalog drop-down list	Select a storage entry from the catalog. Note This option appears when the Virtual Storage Catalog Enable check box is checked.
Cost Computation	
Charge Duration drop-down list	Choose Hourly or Monthly .
Active VM Application Cost field	The cost for the application that is included in the template. Note Not supported in the RHEV KVM Connector.

Name	Description
Inactive VM Application Cost field	The cost to this catalog of a VM in inactive state, per hour or month. Note Not supported in the RHEV KVM Connector.
VM Life Cycle Configuration	
Lease Time check box	Check the check box to define a lease time (in days and hours).
Day field	Specify the number of days. This field is visible only when you check the Lease Time check box
Hours field	Specify the number of hours. This field is visible only when you check the Lease Time check box
Hide end user lease configuration check box	Check the check box to prevent service end users from configuring a lease time for VMs.
Hide end user VM provision later check box	Check the check box to prevent service end users from provisioning VMs at a later time.

Step 11 Click Next.

Step 12 In the VM Access pane, complete the following fields:

Name	Description
Web Access Configuration	
Enable check box	Check the check box to enable web access to the VM. By default, this check box is unchecked which means that web access to the VM is disabled.
URL field	The URL of the VM. Note This option appears when Web Access Configuration is checked.
Label field	The label that is defined for this URL Note This option appears when Web Access Configuration is checked.
Remote Desktop Access Configuration	

Name	Description
Enable check box	Check the check box to enable remote desktop access to the VM. By default, this check box is unchecked, which means that remote desktop access to the VM is disabled.
Server field	The IP address of the server for remote access. Note This option appears when Remote Desktop Access Configuration is checked.
Port field	The port number on the server for remote access. Note This option appears when Remote Desktop Access Configuration is checked.
Label field	The label that is defined for this remote access. Note This option appears when Remote Desktop Access Configuration is checked.
VMRC Console Configuration	
Enable check box	Check the check box to enable VMRC console access to the VM. By default, this check box is unchecked, which means that the VMRC console access to the VM is disabled.

Step 13 Click **Next**.

Step 14 Review the catalog information in the **Summary** page.

Step 15 Click **Submit**.

Editing a Catalog

Procedure

Step 1 On the menu bar, choose **Policies > Catalogs**.

Step 2 Choose the **Catalog** tab.

Step 3 Choose the name of the catalog you want to edit.

Step 4 Click **Edit**.

Step 5 In the **Modify Catalog** dialog box, complete the following fields:

Name	Description
Basic Information pane	

Name	Description
Catalog Name field	Enter a name of the catalog. Note Once created, a catalog name cannot be modified.
Catalog Description field	Enter a description of the catalog.
Catalog Type drop-down list	Choose the type of catalog. It can be one of the following: <ul style="list-style-type: none"> • Standard—Used to create catalogs for VM provisioning, using images from a list of clouds. • Advanced—Used for publishing orchestration workflows, such as catalog items. • Service Container—Used for publishing application containers as catalog items.
Catalog Icon drop-down list	Choose from a list of icons to associate this catalog with an image. This icon is seen when you are creating a service request using this catalog.
Applied to all groups check box	Check the check box to enable all groups to use this catalog. Leave it unchecked to deny its use to other groups.
Selected Groups check box list	Check the check boxes for included groups that are from the Select Items dialog box. The checked groups use this catalog to provision new VMs.
Publish to end users check box	By default, this check box is checked. Uncheck this check box if you do not want this catalog to be visible to end users. If you do not uncheck this check box, then this catalog is visible to the end users of the system.
Cloud Name drop-down list	Choose the cloud with the image for VM provisioning.
Provision new VM for ISO mounting check box	Check this check box to clone a new VM from a selected image. If you do not check this check box, a blank VM is created.

Name	Description
Image field	<p>Choose the type of image, (any existing templates such as Windows, Linux, and other files that make up the image) that you use when VMs are provisioned using this catalog.</p> <p>If you are a group administrator, or an end user in a group with permissions to create catalogs, this field displays images that have been assigned to the group you belong to.</p> <p>If you are an MSP administrator, then this field displays images that have been assigned to your MSP organization, and to the groups within the MSP organization.</p>
Windows License Pool field	<p>Choose the Windows License.</p> <p>Note This option appears only when a Windows image is chosen. This option is not supported in the RHEV KVM Connector.</p>
Provision all disks in single datastore check box	<p>Check the check box to provision all disks in a single datastore. You can also choose to use the datastores configured for each disk in the storage policy.</p> <p>Note This option appears if the chosen template has multiple disks. This option is not supported in the RHEV KVM Connector.</p>
Service Container Template Name drop-down list	<p>Choose the template from the list.</p> <p>Note This option appears when the chosen Catalog Type is Service Container.</p>
Select Folder drop-down list	<p>Choose the folder within which this catalog must be created.</p> <p>Note The drop-down list includes names of folders that are available by default. You can either select a folder that is available, or click the + icon to create a new folder.</p> <p>To create a new folder in the Add New Folder dialog box, specify a folder name, and select an icon for the folder.</p>

Step 6 Click Next.

Step 7 In the **Applications Details** pane, edit the following fields:

Name	Description
Category drop-down list	Choose a VDC category.

Name	Description
Override check box	Check the check box to enable the end user to override the selected category while provisioning a VM using a service request.
Support Contact Email Address field	The email address of the contact who is notified when a service request is created using this catalog item.
Specify OS drop-down list	Choose the type of OS installed on the VM when it is provisioned. Note This option is not supported in the RHEV KVM Connector.
Specify Other OS field	Specify an OS that is not available in the Specify OS list. Note This option is not supported in the RHEV KVM Connector.
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Application Code field	Specify an application code that is used in the VM name. The application code can be between 1 to 4 characters (for example: W2K3, DB, WS). The application code can be used in a system policy for the VM name by using the variable <code>\${APPCODE}</code> . For example, if the VM Name Template is <code>vm-\${GROUP_NAME}-\${APPCODE}</code> , the VM provisioned with the system policy has the name <code>vm-groupname-W2K3</code> . Note This option is not supported in the RHEV KVM Connector.

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Step 14 Click **Next**.

Step 15 Review the catalog information in the **Summary** page.

Step 16 Click **Submit**.

