



## Managing Pending Deletions

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### Pending Deletions for VN-Link Tasks

When you delete a DVS from Cisco UCS Manager, either explicitly or by deleting any parent object in the hierarchy, Cisco UCS Manager initiates a connection with VMware vCenter to start the process of deleting the DVS. Until the DVS is successfully deleted from VMware vCenter, Cisco UCS Manager places the DVS in a pending deletion list.

However, Cisco UCS Manager cannot successfully delete a DVS from VMware vCenter if certain situations occur, including the following:

- VMware vCenter database was corrupted
- VMware vCenter was uninstalled
- The IP address for VMware vCenter was changed

If the DVS cannot be successfully deleted from VMware vCenter, the DVS remains in the pending deletion list until the pending deletion is deleted in Cisco UCS Manager or the properties for that pending deletion are changed in a way that allows the DVS to be successfully deleted from VMware vCenter. When you delete a pending deletion, the DVS is deleted from Cisco UCS Manager but is not deleted from VMware vCenter. If the DVS remains in VMware vCenter, you must delete the DVS manually.

You can view the pending deletion list, delete a pending deletion, or change the properties for a pending deletion in Cisco UCS Manager. For example, you can correct the VMware vCenter IP address for a pending deletion so that Cisco UCS Manager can successfully initiate a connection and delete the DVS from VMware vCenter. You cannot cancel the deletion of a DVS from Cisco UCS Manager.

## Viewing Pending Deletions

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	UCS-A# <b>scope system</b>	Enters system mode.
<b>Step 2</b>	UCS-A /system # <b>scope vm-mgmt</b>	Enters system VM management mode.
<b>Step 3</b>	UCS-A /system/vm-mgmt # <b>scope vmware</b>	Enters system VM management VMware mode.
<b>Step 4</b>	UCS-A /system/vm-mgmt /vmware # <b>show pending-deletion</b>	Displays the list of pending deletions.

The following example displays the list of pending deletions:

```
UCS-A# scope system
UCS-A /system # scope vm-mgmt
UCS-A /system/vm-mgmt # scope vmware
UCS-A /system/vm-mgmt/vmware # show pending-deletion

Pending Deletion:
  Id           Host           Distributed Virtual Switch
  -----
  1169232     192.168.10.10   LabDVS
  1176508     192.168.100.20  OpsDVS
  1176508     192.168.1.30   MyDVS
  1176508     192.168.1.40   OtherDVS
```

## Viewing Properties for a Pending Deletion

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	UCS-A# <b>scope system</b>	Enters system mode.
<b>Step 2</b>	UCS-A /system # <b>scope vm-mgmt</b>	Enters system VM management mode.
<b>Step 3</b>	UCS-A /system/vm-mgmt # <b>scope vmware</b>	Enters system VM management VMware mode.
<b>Step 4</b>	UCS-A /system/vm-mgmt /vmware # <b>scope pending-deletion deletion-id</b>	Enters system VM management VMware pending deletion mode for the specified pending deletion.
<b>Step 5</b>	UCS-A /system/vm-mgmt /vmware/pending-deletion # <b>show detail</b>	Displays the properties for the pending deletion.

The following example displays the properties for pending deletion 1169232:

```
UCS-A# scope system
UCS-A /system # scope vm-mgmt
```

```

UCS-A /system/vm-mgmt # scope vmware
UCS-A /system/vm-mgmt/vmware # scope pending-deletion 1169232
UCS-A /system/vm-mgmt/vmware/pending-deletion # show detail

Pending Deletion:
  Id: 1169232
  vCenter: vCenterLab
  Host: 192.168.10.10
  Data Center Folder:
  Data center: Lab
  Folder: LabFolder
  Distributed Virtual Switch: LabDVS
  Extension key: Cisco-UCSM-b32cc112-83bb-11de-acc_7
  Certificate:
  Current Task: external VM manager deletion from local fabric
(FSM-STAGE:sam:dme:ExtvmmSwitchDelTaskRemoveProvider:RemoveLocal)

```

## Deleting a Pending Deletion

When you delete a pending deletion, the DVS is deleted from Cisco UCS Manager but is not deleted from VMware vCenter. If the DVS remains in VMware vCenter, you must delete the DVS manually.

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	UCS-A# <b>scope system</b>	Enters system mode.
<b>Step 2</b>	UCS-A /system # <b>scope vm-mgmt</b>	Enters system VM management mode.
<b>Step 3</b>	UCS-A /system/vm-mgmt # <b>scope vmware</b>	Enters system VM management VMware mode.
<b>Step 4</b>	UCS-A /system/vm-mgmt/vmware # <b>delete pending-deletion</b> <i>deletion-id</i>	Deletes the specified pending deletion.
<b>Step 5</b>	UCS-A /system/vm-mgmt/vmware # <b>commit-buffer</b>	Commits the transaction to the system configuration.

The following example deletes pending deletion 1169232 and commits the transaction:

```

UCS-A# scope system
UCS-A /system # scope vm-mgmt
UCS-A /system/vm-mgmt # scope vmware
UCS-A /system/vm-mgmt/vmware # delete pending-deletion 1169232
UCS-A /system/vm-mgmt/vmware* # commit-buffer
UCS-A /system/vm-mgmt/vmware #

```

## Changing Properties for a Pending Deletion

You can change the properties of a pending deletion, if necessary, to ensure that Cisco UCS Manager can successfully initiate a connection and delete the DVS from VMware vCenter.

**Procedure**

	<b>Command or Action</b>	<b>Purpose</b>
<b>Step 1</b>	UCS-A# <b>scope system</b>	Enters system mode.
<b>Step 2</b>	UCS-A /system # <b>scope vm-mgmt</b>	Enters system VM management mode.
<b>Step 3</b>	UCS-A /system/vm-mgmt # <b>scope vmware</b>	Enters system VM management VMware mode.
<b>Step 4</b>	UCS-A /system/vm-mgmt/vmware # <b>scope pending-deletion deletion-id</b>	Enters system VM management VMware pending deletion mode for the specified pending deletion.
<b>Step 5</b>	UCS-A /system/vm-mgmt/vmware/pending-deletion # <b>set {certificate certificate-name   data-center data-center-name   data-center-folder folder-name   folder folder-name   host {hostname   ip-addr}}</b>	Changes the specified property for the pending deletion. <b>Note</b> If you use a hostname rather than an IP address, you must configure a DNS server in Cisco UCS Manager.
<b>Step 6</b>	UCS-A /system/vm-mgmt/vmware/pending-deletion # <b>commit-buffer</b>	Commits the transaction to the system configuration.

The following example changes the host IP address to 192.168.10.20 for pending deletion 1169232 and commits the transaction:

```
UCS-A# scope system
UCS-A /system # scope vm-mgmt
UCS-A /system/vm-mgmt # scope vmware
UCS-A /system/vm-mgmt/vmware # scope pending-deletion 1169232
UCS-A /system/vm-mgmt/vmware/pending-deletion # set host 192.168.10.20
UCS-A /system/vm-mgmt/vmware/pending-deletion* # commit-buffer
UCS-A /system/vm-mgmt/vmware/pending-deletion #
```