



# Installing the Plug-in OVA and Registering the VMware vCenter Servers

---

- [User Privileges, on page 1](#)
- [Importing the IdenTrust Certificate Chain, on page 1](#)
- [Deploying and Installing the Plug-in OVA Package, on page 2](#)
- [Adding and Registering the VMware vCenter Servers, on page 4](#)
- [Viewing the Registered VMware vCenter Servers, on page 4](#)
- [Configuring the Registered VMware vCenter Servers, on page 5](#)
- [Upgrading Cisco UCS Manager Plug-In Appliance for VMware vCenter, on page 7](#)
- [Registering the UCS Domains, on page 8](#)

## User Privileges

Cisco UCS Manager Plug-In for vSphere HTML client enables you to register and manage VMware vCenter servers. When you install Cisco UCS Manager plug-in, register the VMware vCenter servers individually using UCS Manager user account. Depending on the UCS Manager user privileges, you used while registering the VMware vCenter servers you can perform the actions. Also, each plug-in action supports the same privileges as Cisco UCS Manager.

For example, if you registered a VMware vCenter servers with admin privileges, you can perform actions on that server using the plug-in. You can perform various actions on the servers, firmware, service profiles, and service profile templates.

When you log in to the Cisco UCS Manager plug-in, you can view the VMware vCenter servers that you have registered. You cannot edit or unregister the VMware vCenter servers registered by users with different vCenter roles or by the users who registered the VMware vCenter server. Only a user with same vCenter role and also has registered the VMware vCenter server, has the privilege to edit or unregister the plug-in.

## Importing the IdenTrust Certificate Chain

The Cisco UCSM Plugin OVA file is signed with an IdenTrust CA certificate, which is not included in VMware's default truststore. As a result, the **Review details** page in the **Deploy OVF Template** wizard indicates that you are using an invalid certificate while completing the wizard.

You can prevent this by importing the IdenTrust certificate chain to the host or cluster on which you want to deploy the OVA file.

### Procedure

---

- Step 1** On the VMware ESXi host or cluster where your virtual appliance will reside, download `trustidevcodesigning4.tar.gz` from the same location that Cisco specified to download the Cisco UCSM Plugin OVA file.
- Step 2** Unzip this file.
- Step 3** Log in to the vSphere Web Client.
- Step 4** Select **Administration > Certificates > Certificate Management**.
- Step 5** In the **Trusted Root Certificates** field, click **Add**.
- Step 6** In the **Add Trusted Root** dialog box, click **Browse**.
- Step 7** Navigate to and select the certificate chain you downloaded in Step 1 (**trustidevcodesigning4.pem**). Click **Open**.
- Step 8** Check the **Start Root certificate push to vCenter Hosts** check box. Click **Add**.

A message indicates that the certificate chain was successfully imported.

When you complete the **Deploy OVF Template** wizard, the **Publisher** field in the **Review details** page indicates that you are using a trusted certificate.

---

## Deploying and Installing the Plug-in OVA Package

### Before you begin

- Plug-in OVA package is hosted on HTTP or HTTPS server. Ensure that the HTTP or HTTPS URL of the plug-in OVA package is reachable from the vCenter server.
- Ensure that you have imported the IdenTrust Certificate Chain before you install the OVA package.
- Close all the HTML client browser sessions.
- The default username is admin.

### Procedure

---

- Step 1** On the Cisco.com download site for Cisco UCS Management Partner Ecosystem Software, download the Cisco UCS Manager plug-in OVA package.  
The files are stored in your local download folder.
- Step 2** Log in to the vCenter server and right-click on any inventory object and select **Deploy OVF Template**.  
Inventory object is a valid parent object of a virtual machine, such as:
  - Data center

- Folder
- Cluster
- Resource pool or host

The **Deploy OVF Template** wizard is displayed.

**Step 3** Specify the location of the OVA template on the **Select an OVF template** page and click **Next**.

**Step 4** Enter a unique name for the virtual machine and select a deployment location on the next page. Click **Next**.

**Step 5** Select a resource to run the deployed OVA template. Click **Next**.

**Step 6** Verify the OVA template details.

In the **Review details** window, the following message is displayed:

The certificate is not trusted.

You can choose to validate the certificate or ignore the message.

To validate the certificate, see [Importing the IdenTrust Certificate Chain, on page 1](#).

To ignore the certificate, click the **Ignore** link, next to the above message.

**Step 7** Select a storage location. Click **Next**.

**Step 8** Select a source network and map it to a destination network. Click **Next**.

**Customize template** page is displayed.

**Step 9** Enter the networking information and the user credentials.

a) Enter the required details for the following fields:

- IP address
- Netmask
- Gateway
- DNS Server
- NTP Server
- Hostname

b) Enter the username as admin and password to access the Cisco UCS Manager plug-in appliance.

c) Click Next.

**Step 10** Review the information on the **Ready to complete** page and click **Finish**.

After the OVA package is deployed on the vCenter server, reboot the server to complete the configuration and enable access to the plug-in.

---

### What to do next

Access the Cisco UCS Manager plug-in appliance using the `https://<fqdn>` or `https://<server-IP>` URL.

Provide the admin credentials configured in the OVA package and register the VMware vCenter servers.

# Adding and Registering the VMware vCenter Servers

## Before you begin

- The default username is admin.

## Procedure

**Step 1** Login to **Cisco UCS Manager Plug-in Appliance** Web UI as admin user and enter the password.

**Step 2** Click **Register**.

The **Add VMware vCenter Servers** pop-up window is displayed.

**Step 3** Enter the required information in the **Add VMware vCenter Servers** pop-up window.

a) Enter the following details:

Field	Description
FQDN/Server IP	FQDN or Server IP of the VMware vCenter server.
Port	The port to use for communication. The default is 443.
Username	Enter the user name for the VMware vCenter server.
Password	Enter the password for the VMware vCenter server.

- b) (Optional) Select the **Proactive HA** checkbox to enable Proactive HA in the server.
- c) (Optional) Enable the **Use same credentials for all vCenter Servers** checkbox to apply the same user credentials for all the VMware vCenter servers.
- d) (Optional) Click **Add** to add the details of another VMware vCenter server.

**Step 4** Click **Next**.

**Step 5** Review the VMware vCenter server details displayed in the **Summary** page. Click **Register**.

On successful registration, the VMware vCenter server details are displayed in the **Registered VMware vCenter Servers** table.

The list of registered VMware vCenter servers is displayed in the **Registered VMware vCenter Servers** table.

# Viewing the Registered VMware vCenter Servers

## Before you begin

- The default username is admin.

## Procedure

- Step 1** Login to **Cisco UCS Manager Plug-in Appliance** Web UI as admin user and enter the password.
- Step 2** The list of registered VMware vCenter servers is displayed in the **Registered VMware vCenter Servers** table. The following details are displayed for the VMware vCenter servers.

Field	Description
FQDN/Server IP	Server IP / FQDN of the VMware vCenter server.
Port	The port used for communication. The default value is 443.
Username	User name that is used to access the VMware vCenter server.
Version	VMware vCenter release version.
Plug-in Version	UCS Manager plug-in release version.
Plug-in Status	Connection status of the VMware vCenter server with the UCS Manager plug-in.
ProactiveHA Status	Status of the Proactive HA feature for the VMware vCenter server.  By default, the ProactiveHA feature is disabled.

## Configuring the Registered VMware vCenter Servers

1. Login to the **Cisco UCS Manager Plug-in Appliance** Web UI and enter your user credentials.
2. Identify the VMware vCenter server in the **Registered VMware vCenter Servers** table.
3. Click on the 3 dots displayed near the respective VMware vCenter server in the table.
4. You can perform the following actions on the VMware vCenter server:

Option	Description
<p><b>Update</b></p>	<p>Allows you to upgrade the selected plug-in with the latest version.</p> <p>The <b>Upgrade Plug-in</b> pop-up window is displayed with the message:</p> <p><i>Are you sure you want to upgrade Plug-in?</i></p> <p>Click <b>Update</b>.</p> <p>If there is no upgrade version available, then the message is displayed that the plug-in is already registered on the VMware vCenter.</p>
<p><b>Unregister</b></p>	<p><b>Note</b> Before you unregister, perform the following step if <b>Proactive HA Provider</b> is enabled:</p> <ul style="list-style-type: none"> <li>• Disable the HA provider and turn off <b>Proactive HA</b> from <b>vSphere Availability</b> in the <b>vCenter Cluster Configure</b> page.</li> </ul> <p>The <b>Unregister</b> option allows you to unregister the plug-in.</p> <p>The <b>Unregister Plug-in</b> pop-up window is displayed with the message <i>Are you sure you want to unregister?</i></p> <p>Click <b>Yes</b> to unregister the plug-in.</p>
<p><b>vCenter Log</b></p>	<p>Allows you to view the logs of the VMware vCenter server.</p> <p>The support bundle window is displayed as a new tab on your web browser.</p> <p>Enter the VMware vCenter server root credentials in the support bundle window to authenticate and view the logs.</p>
<p><b>Update Password</b></p>	<p>Allows you to update the password of the vCenter server in the plug-in.</p> <p>The <b>Update vCenter server password</b> pop-up window is displayed with the following fields:</p> <ul style="list-style-type: none"> <li>• Username</li> <li>• Password</li> </ul> <p>Enter the username and new password. Click <b>Update</b>.</p>

5. Click **Update All** to upgrade all the plug-in versions.

The **Upgrade All Plug-in** pop-up window is displayed with the following message: *Are you sure you want to upgrade all Plug-in(s)?*

Click **Update** to update the plug-in versions.

### Downloading the Appliance Logs

Perform the following steps to download the appliance logs.

1. In the UCS Manager Plug-in Appliance home page, click the **Settings** icon.
2. Select **Appliance Log** from the drop-down list.

The UCS Manager plug-in appliance support bundle is downloaded on a new tab on your web browser. The support bundle is in `tar.gz` format.

# Upgrading Cisco UCS Manager Plug-In Appliance for VMware vCenter

Perform the below steps to upgrade to Cisco UCS Manager plug-in appliance.

### Before you begin

- Use an SSH client to access the UCS Manager plugin appliance virtual machine (VM).
- We recommend that you take a snapshot of the appliance VM before you choose to upgrade.

### Procedure

---

- Step 1** Download the `ucsm-vcenter-plugin-4.0.0.xx.tar.gz` upgrade package.
  - Step 2** Copy the `ucsm-vcenter-plugin-4.0.0.xx.tar.gz` upgrade package to `/tmp` folder.
  - Step 3** From the SSH client, log into the UCS Manager plugin appliance VM.
  - Step 4** Run the following command to upgrade the plug-in appliance:  

```
ucsm-plugin-upgrade /tmp/ucsm-vcenter-plugin-4.0.0.xx.tar.gz
```
  - Step 5** After the upgrade is completed, log into the UCS Manager plug-in appliance using the following link:  

```
https://<UCSMpluginIP>:443
```

Log into the UCS Manager plug-in appliance Web UI and view the home page.
  - Step 6** Click **Update All** to upgrade the plug-in versions for all vCenter servers.  
(Optional)  
To update the plug-in version for a specific vCenter server, see [Configuring the Registered VMware vCenter Servers, on page 5](#).
-

# Registering the UCS Domains

Using the vSphere HTML client, you can register the UCS domains. You can edit the details, unregister, and reregister the previously registered UCS domains.



**Note** If a UCS domain is registered with read-only privileges, you cannot perform actions related to the service profiles, service profile templates, and firmware management using the plug-in. Also, you cannot view or edit UCS domains registered by a different user unless you have admin privileges.

## Procedure

**Step 1** Launch the vSphere HTML client.

**Step 2** In the **Shortcuts** tab, double-click **Cisco UCS Manager Plug-in**.  
Cisco UCS Management Center view appears.

**Step 3** Click **Register**.  
**Register UCS Domain** dialog box appears.

**Step 4** Enter the following:

- **UCS Hostname/IP**—IP address or the hostname of the UCS domain.

- **Username**—UCS domain username.

**Note** • For LDAP authentication, enter the username in the *ucs-domainname\username* format.

- RBAC supports LDAP, TACACS, RADIUS users.

- **Password**—UCS domain password.

- **Visible to All Users**—Whether to make this domain visible to all users

**Step 5** Click **OK**.

**Note** You may be prompted to accept a certificate. Accept to continue registration.

UCS domain is registered and appears on the list of Registered UCS Domains.

Cisco UCS Management Center also provides the following options:

Button	Description
Unregister	Allows you to unregister a UCS domain.
Edit	Allows you to edit a UCS domain.