Installing the Plug-in and Registering the UCS Domains

This chapter includes the following sections:

User Privileges

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

For example, if you registered a UCS domain with admin privileges, you can perform actions on that domain using the plug-in. You can perform various actions on the servers, firmware, UCS domains, service profiles, and service profile templates. Whereas, if you registered a UCS domain with read-only privileges, you can launch Cisco UCS Manager GUI and can view the domains that you registered.

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

However, you can view the domains registered by other users if you have the extension privilege and the domain registered is publicly visible.

Installing the Cisco UCS Manager Plug-in for vSphere HTML Client

Before you begin

- If you have already registered for proactive HA in flex, then un-register it and then perform this procedure.

- Plug-in package hosted on HTTP or HTTPS server. Ensure that the HTTP or HTTPS URL of the plug-in zip file is reachable from both vCenter server and the machine from which the plug-in is registered

- Close all the HTML client browser sessions

Procedure

Step 1	On the Cisco.com download site for Cisco UCS Management Partner Ecosystem Software, download the Cisco UCS Manager plug-in and the latest registration tool zip file (version v1.2.0 or higher).
	The files are stored in your local download folder.
Step 2	Unzip the registration tool and double-click to launch it. Cisco UCS plug-in Registration Tool screen appears.
Step 3	To register a new plug-in, populate the following fields:

Note If you are reregistering, the following fields are already populated.

- **IP/Hostname**—IP or hostname of the vCenter server

- **Username**—Username of the vCenter server

- **Password**—Password of the vCenter server

- **Plugin location**—HTTPS/HTTP URL of the plugin zip file. For example, https://10.1x.1x.1/plugins/ucs/ucs-vcplugin-1.0.1.zip

Note If you want to unregister a UCS Manager plug-in, click the **Unregister** plug-in radio button, and complete the fields.

You cannot install both flex and HTML. You should install either one of them.

Step 4	Click **Submit**.

Important When the plug-in is hosted on HTTP URL, you are prompted to take the following action:

```
If the plugin is hosted on an HTTP URL, a configuration file named
"webclient.properties" must be modified to add "allowHttp=true."
```

The default location of file for vSphere HTML/Web client 6.x and the higher releases are:

HTML 7.x:

```
VCSA: /etc/vmware/vsphere-ui
```

HTML 6.x:

```
Windows: C:\ProgramData\VMware\vCenterServer\cfg\vsphere-ui\
```

```
VCSA: /etc/vmware/vsphere-ui
```

The vSphere HTML client service must be restarted after this modification.

Note If you are reregistering, you may see **Already Registered** warning dialog box, with the following message: `Cisco UCS plug-in 3.x is already registered. If the plug-in files are already downloaded, they won't be downloaded again until they are removed manually and vSphere HTML client service is restarted.`

Review the message and click **OK** to continue.

Step 5 Restart the HTML client service.

Note If you encounter any error, relaunch the web browser session. If the error continues, restart the HTML client service.

The Cisco UCS Manager plug-in is successfully registered.

Upgrading vCenter from 7.x to 7.0u3

Perform the below steps before you upgrade vCenter from 7.x to 7.0u3:

⚠

Caution Upgrading the vCenter server might result in loss of plug-in data. Back up the plug-in data before you upgrade.

✎

Note Upgrade and launch the Cisco UCS html plug-in before enabling FIPS on vCenter 7.0u2.

After upgrading vCenter from 7.x to the version 7.0u3, perform the following steps:

Procedure

Step 1 Using SSH, log into vCenter by using root credentials.

Step 2 Change the directory to `cd /usr/lib/vmware-vsphere-ui/server/data`

Step 3 To change the permissions, run the command:

```
chown vsphere-ui:users ucs/
```

Step 4 If plugin files are present in `ucs` folder, then change the directory to `cd /usr/lib/vmware-vsphere-ui/server/data/ucs`

Step 5 Run the command:

```
chown vsphere-ui:users *
```

Step 6 Restart the vSphere-ui services with the command:

```
service-control --restart vsphere-ui
```

Upgrading vCenter from 6.7 to 7.x

Perform the below steps before you upgrade vCenter:

⚠️

Caution Upgrading the vCenter server might result in loss of plug-in data. Back up the plug-in data before you upgrade.

✎

Note Upgrade and launch the Cisco UCS html plug-in before enabling FIPS on vCenter 7.0u2.

Procedure

Step 1 If Cisco UCS Provider for Proactive HA is registered, unregister it.

For more information on how to unregister the Cisco UCS Provider, see Unregistering a Cisco UCS Provider.

Step 2 Upgrade to Cisco UCS Manager Plug-in 3.0(4) or above.

To upgrade Cisco UCS Manager Plug-in for vSphere HTML Client, see Upgrading Cisco UCS Manager Plug-In for vSphere HTML Client, on page 5.

Step 3 Launch the Cisco UCS html plug-in.

Step 4 Before you upgrade vCenter, back up the data in the `ucs` folder in the following location on the vCenter server:

```
/usr/lib/vmware-vsphere-ui/server/data/ucs
```

Step 5 After the vCenter upgrade,

a) Create the folder `ucs` in the following location on the vCenter server:

```
/usr/lib/vmware-vsphere-ui/server/data/ucs
```

b) Copy all the files in the folder `ucs` which you created, except the files `VCregistry.txt` and `VC_HA_Config.properties`, if these files are present.

c) If the plug-in is not visible, modify the configuration file `webclient.properties` and add the following:

```
allowHttp=true
```

Step 6 Register the Cisco UCS Provider.

For more information on how to register the Cisco UCS Provider, see Registering a Cisco UCS Provider.

Step 7 Enable or disable FIPS, if required.

To know more, see Enable and Disable FIPS on the vCenter Server Appliance.

Upgrading Cisco UCS Manager Plug-In for vSphere HTML Client

Perfom the below steps to upgrade to Cisco UCS Manager Plug-in.

⚠️

Caution Upgrading the vCenter server might result in loss of plug-in data. Back up the plug-in data before you upgrade.

📝

Note Upgrade and launch the Cisco UCS html plug-in before enabling FIPS on vCenter 7.0u2.

Procedure

Step 1 On the Cisco.com download site for Cisco UCS Management Partner Ecosystem Software, download the Cisco UCS Manager plug-in and registration tool zip files.

The files are stored in your local download folder.

Step 2 If Cisco UCS Provider for Proactive HA is registered, unregister it.

For more information on how to unregister the Cisco UCS Provider, see Unregistering a Cisco UCS Provider.

Step 3 Double-click the unzipped Cisco_UCS_Plugin_Registration_Tool_v1-2-3.zip file to launch the registration setup file.

Step 4 If the Cisco UCS Manager plug-in is already installed, you are prompted to upgrade the plug-in. Confirm the upgrade and continue with the installation.

For information on how to install the Cisco UCS plug-in, see Installing the Cisco UCS Manager Plug-in for vSphere HTML Client, on page 2.

Step 5 Restart the HTML client service.

Step 6 Launch the Cisco UCS html plug-in.

Step 7 Once the Cisco UCS plug-in is installed, register the Cisco UCS Provider for Proactive HA.

For more information on how to register the Cisco UCS Provider for Proactive HA, see Registering a Cisco UCS Provider.

Step 8   Enable or disable FIPS, if required.

> **Note**   Downgrade from any version of Cisco UCS Manager plug-in is not supported. However, to downgrade the plug-in, unregister the running version, register the version you want to use, and restart the vSphere HTML client services.
>
> Direct upgrade from Flex to HTML is not supported. You should first un-register the Flex plug-in and then register HTML plug-in.

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**.
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.

- **Password**—UCS domain password.

- **Port**—Port number.

- **SSL**—To use a secure connection to Cisco UCS Manager

- **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.