



# Manually removing the Deploy plug-in from vCenter

## ONTAP Select

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# Manually removing the Deploy plug-in from vCenter

You can manually remove the Deploy plug-in from the vCenter server.

## Before you begin

You should always begin by removing the plug-in using the VMware Managed Object Browser (MOB) and then by removing it from the vSphere directories inside the vCenter server.

There are several instances in which you must manually remove the plug-in:

- The plug-in was removed using the Deploy utility native user interface, but the vCenter server could not be rebooted.
- The Deploy utility was decommissioned without removing the plug-in.

## Using the VMware MOB to remove the plug-in

The MOB is a VMware application that allows you to view and manage the objects on a VMware vCenter server. You can use the MOB to remove the Deploy vCenter plug-in.

### *Steps*

1. Access the MOB at the vCenter server using a browser and sign in:

`https://<FQDN_or_IP-address>/mob`

2. Click **content** and then click **ExtensionManager**.
3. Confirm that the extension to be removed is present based on the full name:

`com.netapp.selectdeploy`

4. Click **UnregisterExtension**.
5. Type the name of the extension and click **InvokeMethod**.

### *Result*

The plug-in is removed from the list of extensions.

## Removing the plug-in from the vSphere UI folder

You should examine vSphere UI directory at the vCenter server and remove the Deploy plugin if found.

### *Before you begin*

You must have the password for the root account at the vCenter server. You should remove the plug-in

using the vSphere MOB.

### *Steps*

1. Use SSH to access the vCenter server and sign in:

```
ssh root@<FQDN_or_IP-address>
```

2. Type **shell** and press **Enter** to launch the Bash shell.
3. Navigate to the `vsphere-client-serenity` directory for the vSphere-UI service:

```
cd /etc/vmware/vsphere-ui/vc-packages/vsphere-client-serenity
```

4. Determine if there are directories of the form `com.netapp.selectdeploy` that must be removed:

```
ls -al
```

5. Stop the HTML5 vSphere-UI web client:

```
service-control --stop vsphere-ui
```

6. Remove the directory containing the UI extensions:

```
rm -rf com.netapp.selectdeploy-1.0.0
```

7. Restart the HTML5 vSphere-UI web client:

```
service-control --start vsphere-ui
```

### *After you finish*

It can take several minutes for the Deploy plug-in to restart and become available.

## Removing the plug-in from the vSphere client folder

You should examine the vSphere Client directory at the vCenter server and remove the Deploy plug-in if found. Although the Deploy plug-in does not use Flash, it is a best practice to examine this directory as part of the plug-in removal procedure.

### *Before you begin*

You must have the password for the root account at the vCenter server. You should remove the plug-in using the vSphere MOB and remove the plug-in from the vSphere UI directory.

### *Steps*

1. Use SSH to access the vCenter server and sign in:

```
ssh root@<FQDN_or_IP-address>
```

2. Type **shell** and press **Enter** to launch the Bash shell.
3. Navigate to the `vsphere-client-serenity` directory for the vSphere-Client service:

```
cd /etc/vmware/vsphere-client/vc-packages/vsphere-client-serenity
```

4. Determine if there are directories of the form `com.netapp.selectdeploy` that must be removed:

```
ls -al
```

5. Stop the HTML5 vSphere-UI web client:

```
service-control --stop vsphere-client
```

6. Remove the directory containing the client extensions:

```
rm -rf com.netapp.selectdeploy-1.0.0
```

7. Restart the HTML5 vSphere-UI web client:

```
service-control --start vsphere-client
```

*After you finish*

It can take several minutes for the Deploy plug-in to restart and become available.

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