Open-E JovianDSS

vCenter Plugin

User Guide

Version 1.02, August 2021

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1. Preface

This guide describes the installation process required for **Open-E JovianDSS vCenter Plugin (vCP)** (henceforth referred to as a plugin) for the vSphere web client. It also describes the features supported by the plugin.

1.1 Intended audience

The user must be familiar with using the VMware® vSphere™ web client to manage vCenter Server systems.

1.2 Product version

This document applies to the Open-E vCP version 1.0.2 release.

1.3 Document history

Date	Version	Description
August 2021	1.0.0	Initial release
August 2021	1.0.1	Updated the screens and version
August 2021	1.0.2	Updated troubleshooting topic

1.4 Document convention

The following conventions are used in the document.

Convention	Description
Bold	Indicates text on a window, other than the window title, including menus, menu options, buttons, fields, and labels. Example: Click **OK**.
Italic	Indicates a variable, which is a placeholder for the actual text provided by the user or system. Example: copy *source-file target-file* **Note**: Angled brackets (< >) are also used to indicate variables.
dialog box/ code	Indicates text displayed in the dialog box or if you have entered. Example: # pairdisplay -g oradb
NOTE	**Notes**

2. Getting started

The Open-E vCP for VMware vSphere® web client is enhancing the VMware ecosystem integration. Natively integrated with the VMware infrastructure, Open-E vSphere Web Client Plugin allows administrators to leverage Open-E VMware capabilities, such as per-datastore snapshots from vCenter interface to further simplify day-to-day management of large virtual environments and leverage Open-E per VM-level data management capabilities.

The Open-E vCenter plugin is a user-friendly browser-based tool that integrates with the VMware® vSphere™ 6.7 web client, providing an alternative interface that allows you to monitor and manage the storage node status. The plug-in user interface communicates with only a single back-end server hence enhancing the vCenter capabilities.

2.1 Features supported by Open-E JovianDSS vCenter Plugin

The plugin allows you to view the storage node status and also enables you to perform the following functions:

- Discovery of JovianDSS storage node
  - Add JovianDSS storage node
  - Edit JovianDSS storage node
  - Remove JovianDSS storage node
- Storage Provisioning
  - Create Datastore on Host
  - Create Datastore on Cluster
  - Clone Datastore
- Snapshot Management
- Create Snapshot
  - Get Snapshot
  - Rollback Snapshot
  - Delete Snapshot
- Host to Storage Mapping
  - Host View
  - Cluster View
- Schedule Snapshot
  - Add Snapshot Schedule
  - Edit Snapshot Schedule
  - Get Snapshot Schedule
  - Remove Schedule

3. Installing the Open-E JovianDSS vCenter Plugin

This chapter explains the following procedures:

- Software and hardware prerequisites.
- Installing the plugin.
- Upgrading the plugin.
- Removing the plugin.

3.1 Software and hardware prerequisites

The following table lists the software and hardware prerequisites for installing the plugin.

Sr. no	Software/Hardware	Version Provider
1	ESXi 6.7 version	VMware®
2	vCenter Server 6.7 version	VMware®
3	Open-E JovianDSS Storage node (latest version)	Open-E

Sr. no	Software/Hardware	Version Provider
4	Mozilla Firefox (latest version)	Mozilla
5	Google Chrome (latest version)	Google
7	JRE (latest version)	Oracle

3.2 Installing the plugin

You can install the Open-E vCP plugin with the VMware® vSphere web client. The plugin registration process requires the following vCenter Server information:

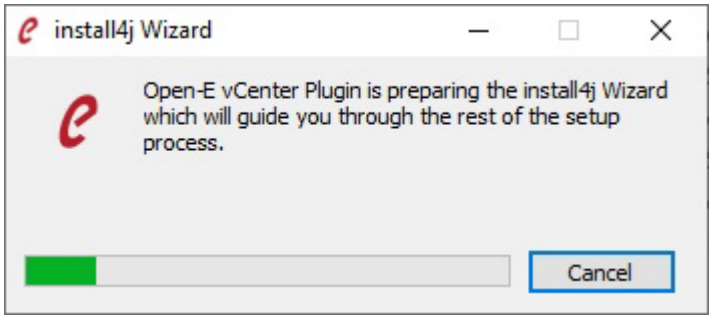
- vCenter Server IP/Hostname
- Username
- Password
- Port

3.2.1 Installing the plugin on vCenter Server for Windows

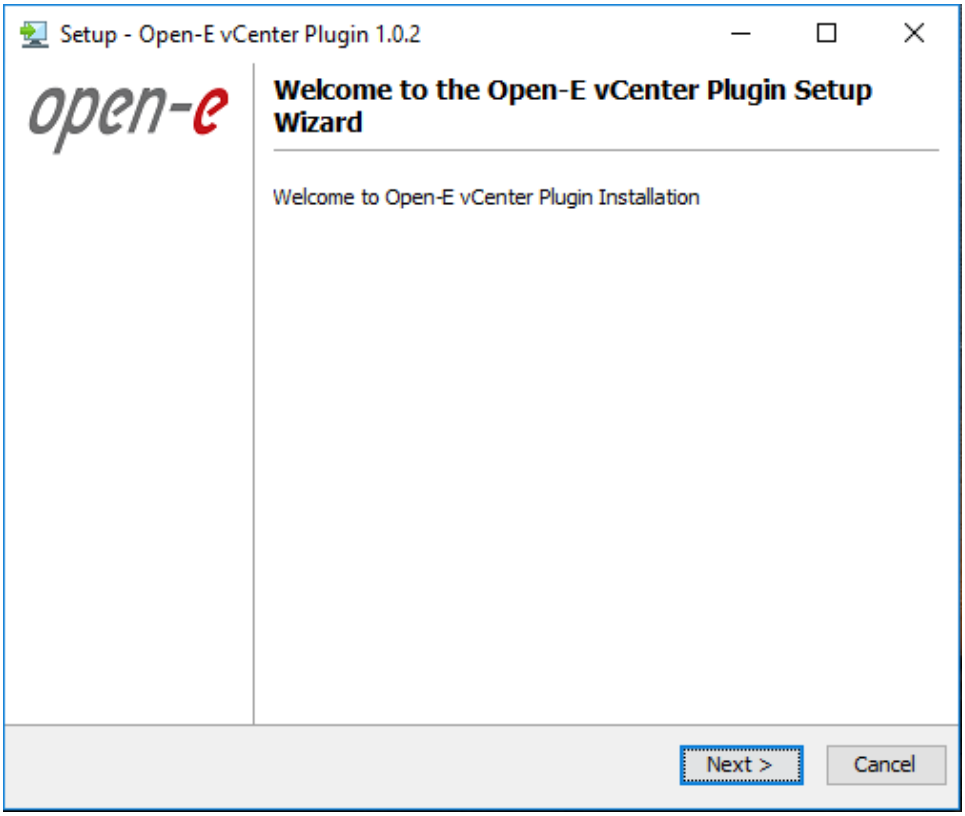
This topic explains the steps required to install the plugin vCenter Server for Windows.

To install the plugin:

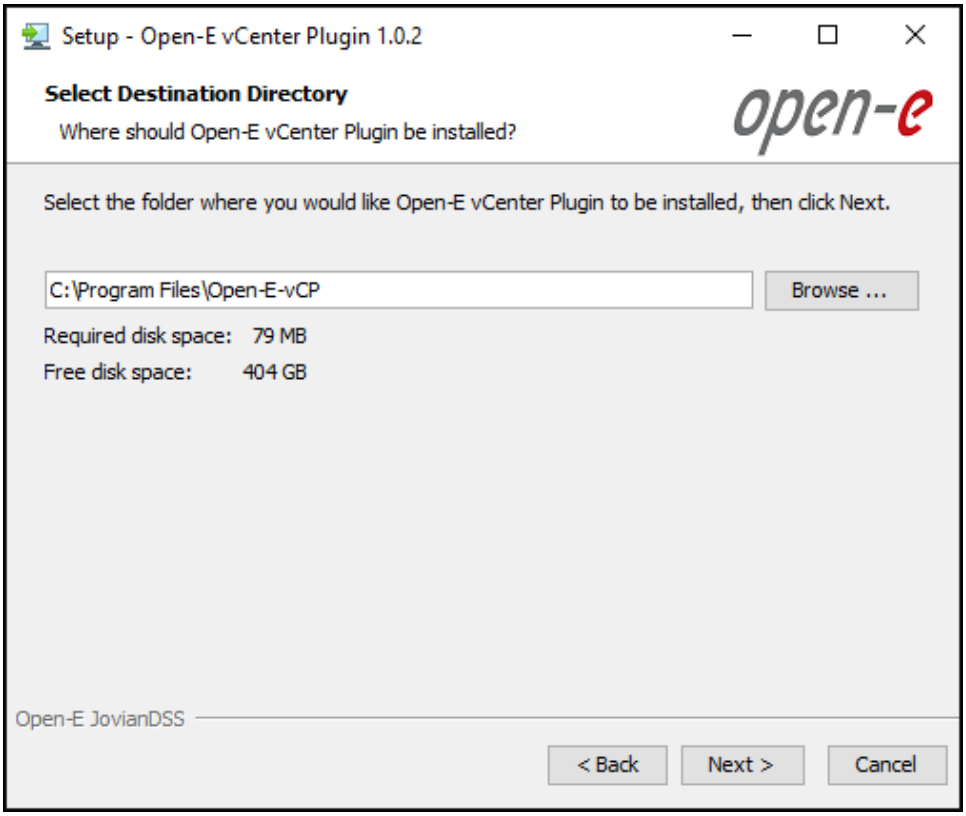
1. Double-click the <Open_E_vCenter_Plugin_1.0.2.exe> installer to launch the installation wizard. The following information will be displayed on the screen.



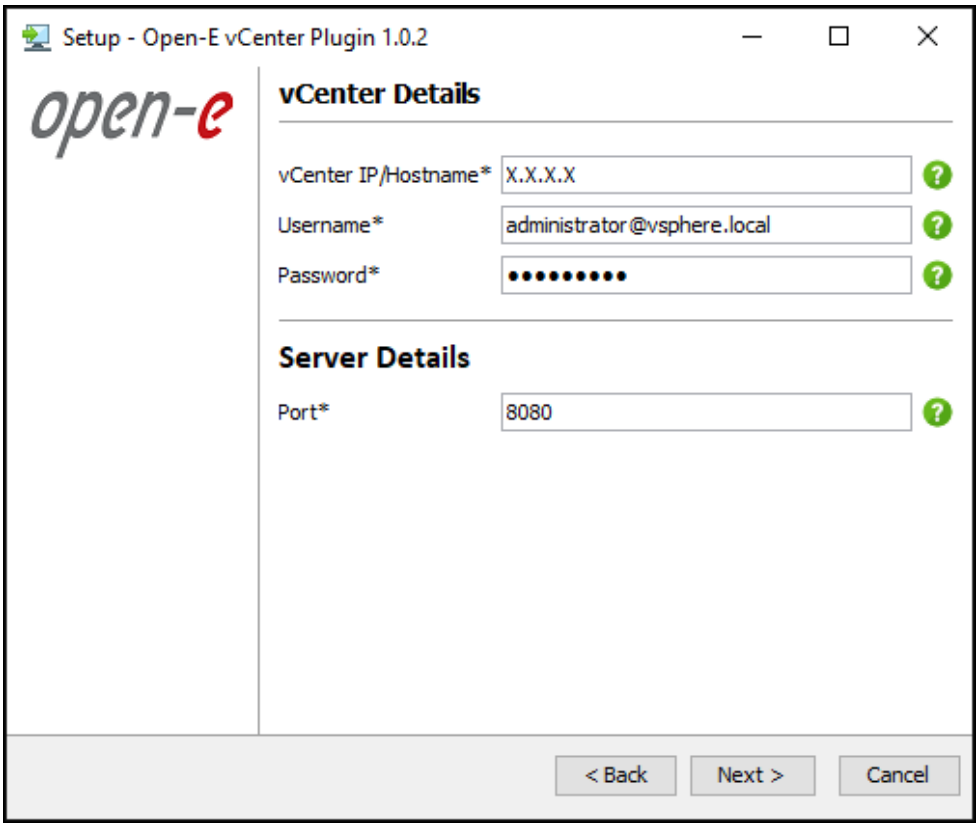
2. Once it is launched, the Welcome to the Open-E vCenter Plugin Setup Wizard page is displayed



3. Click **Next** to proceed with the installation process. **The Licence Agreement** page is displayed.
4. On the **License Agreement** page, read the end-user license to continue with the installation, select **I accept the agreement**. The **Select Destination Directory** page is displayed.



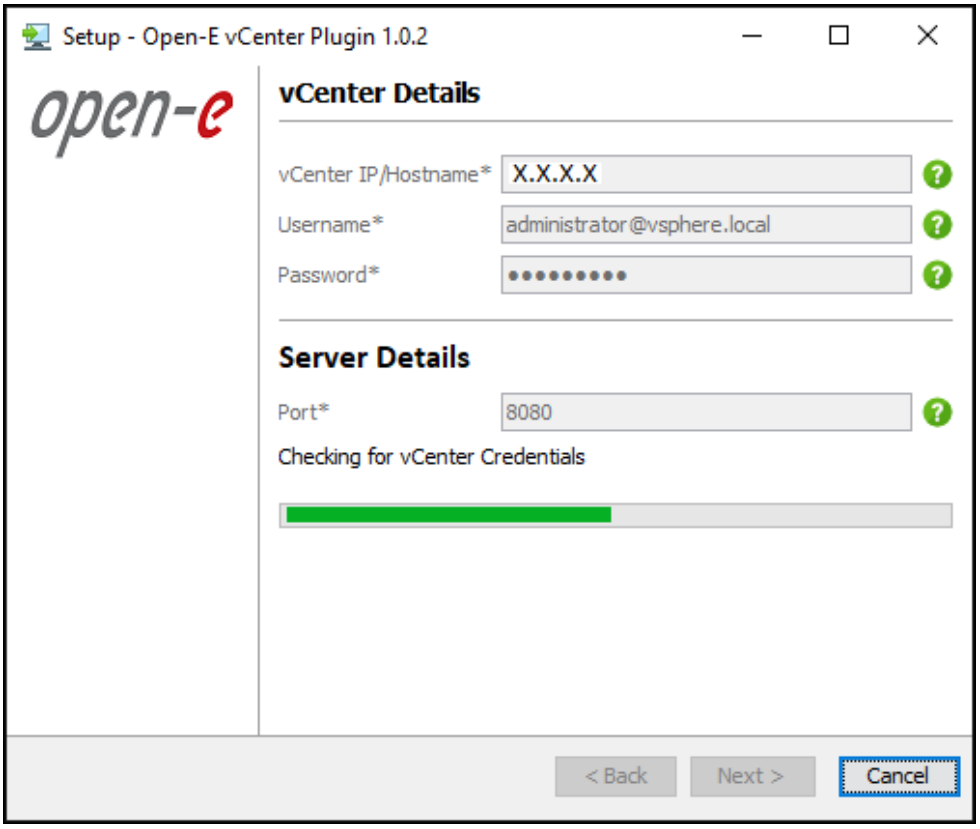
5. Click **Browse**, if you want to select a specific folder to install the plugin and click **Next**. The **vCenter Details** page is displayed.



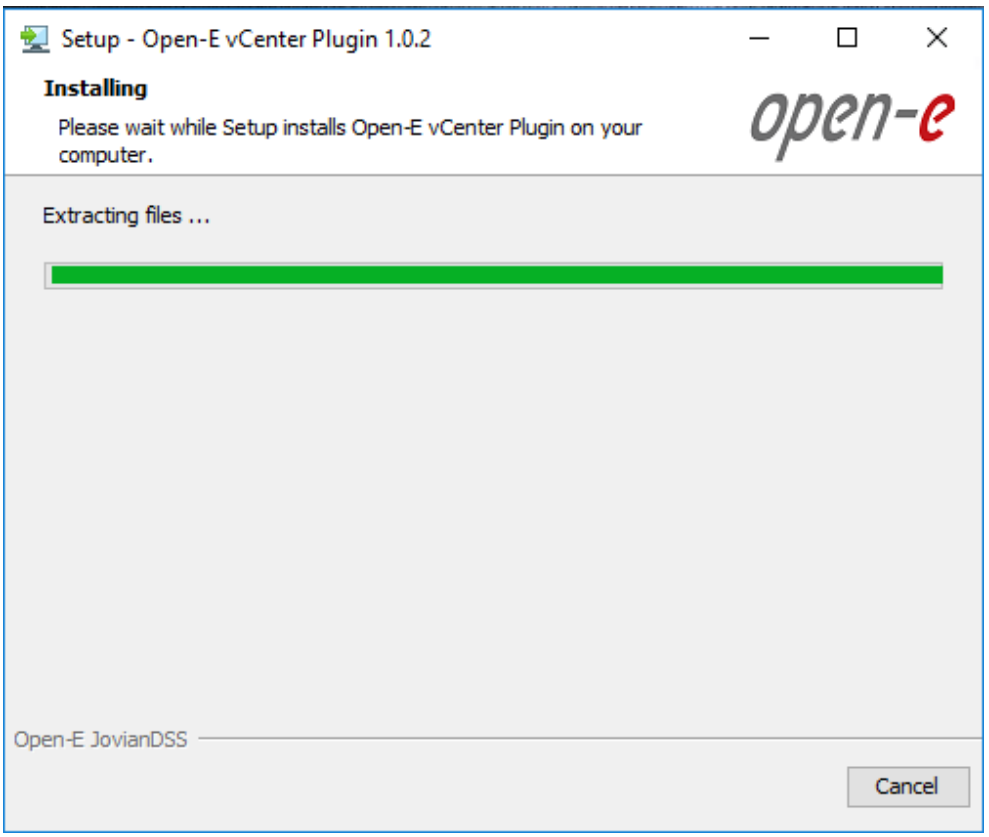
6. In the **Open-E vCenter details** dialog box, enter the following details:

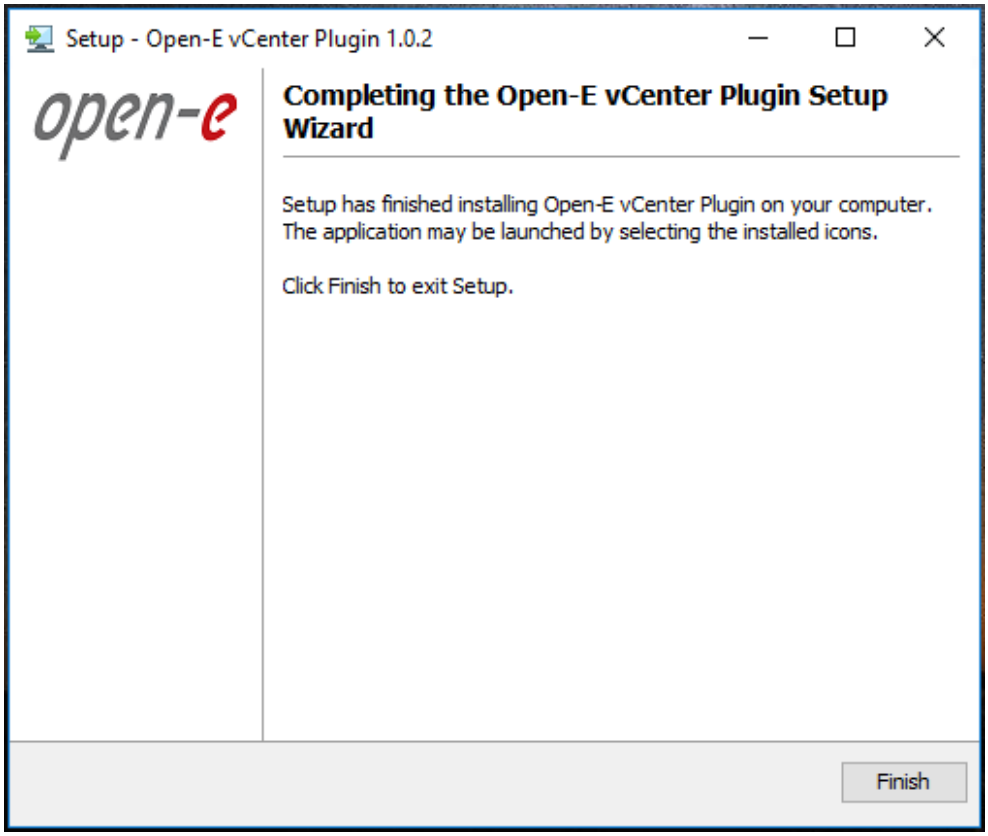
- Enter the vCenter Server hostname or IP address in the IP/Hostname field.
- Enter the vCenter Server username in the Username field.
- Enter the vCenter Server password in the Password field.

For the **Open-E Server details**, enter the vCenter Server Port Number (by default 8080) in the **Port** field.



7. Click **Next** to start the vCenter Server authentication.
The authentication progress is displayed and the files are extracted, installed, and registered to the vCenter Server.





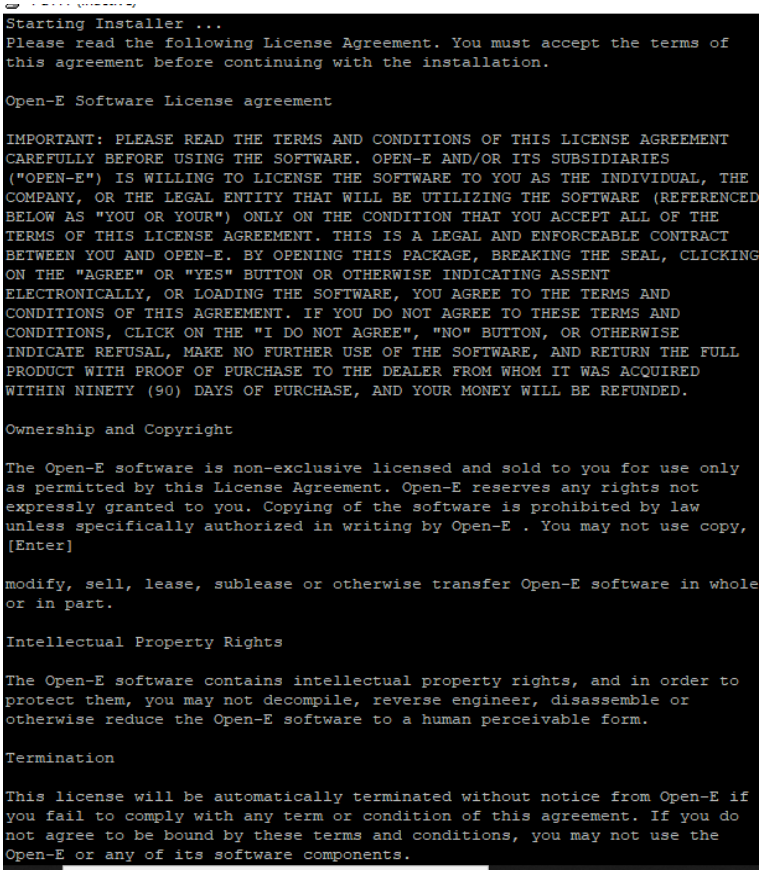
8. Click **Finish** to complete the installation process. The plugin installation on the vCenter Server is complete.

3.2.2 Installing the vCenter plugin for CentOS

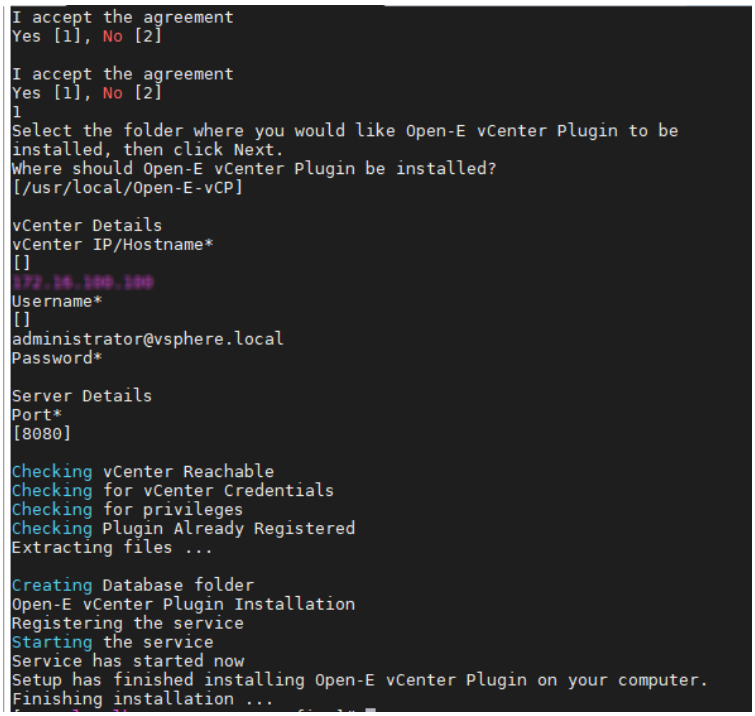
Execute the following command to install the vCenter plugin from the command prompt. Provide the details when prompted.

To install the plugin:

1. From the Centos VM, execute <Open_E_vCenter_Plugin_1.0.2.sh> and provide the vCenter server IP, vCenter SSO credentials, Local Server Port details when prompted. The following is a sample vCenter plugin installation for CentOS.



2. Read the End User License Agreement, enter 1 to agree to the EULA**.**



3. Select the folder where you want to install the plugin and click **Next**. The system links option is displayed.
4. Enter the vCenter server details:

- Enter the vCenter Server hostname or IP address.
- Enter the vCenter Server username.
- Enter the vCenter Server password.

- Enter the vCenter Server Port Number (by default 8080).

The plugin is installed successfully.

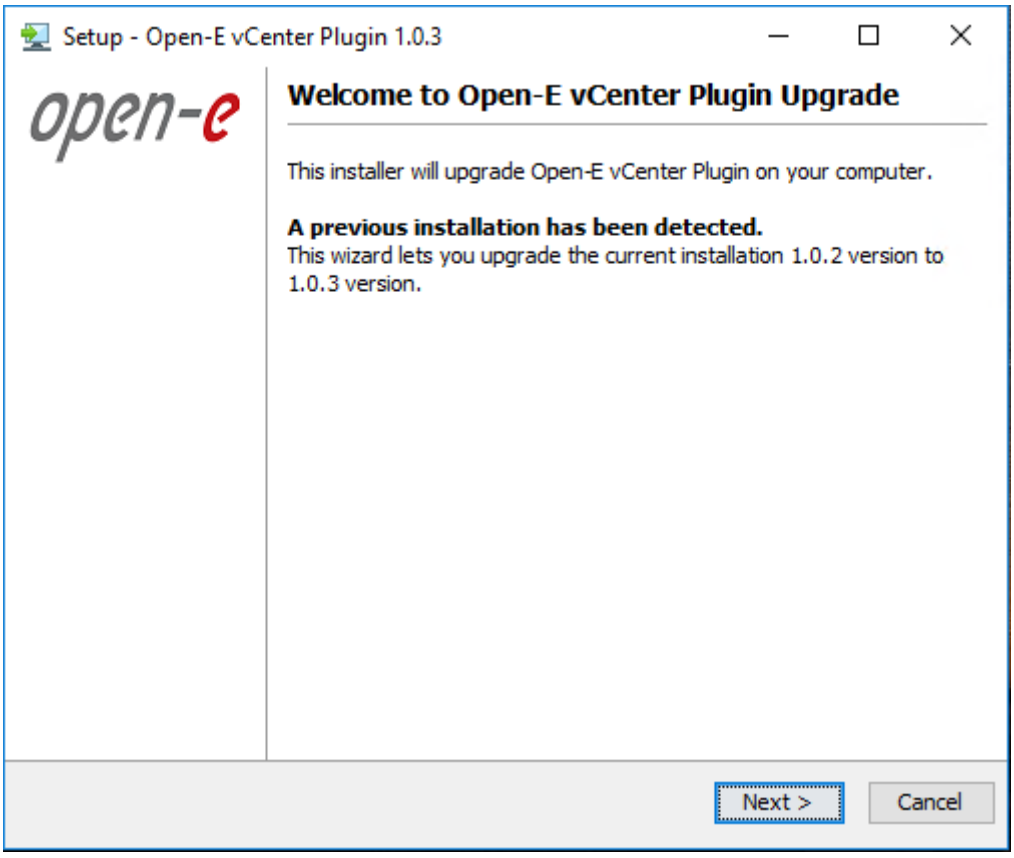
3.3 Upgrading the plugin

This topic explains the steps required to upgrade the existing version of the Open-E plugin to the latest version for Windows and Centos.

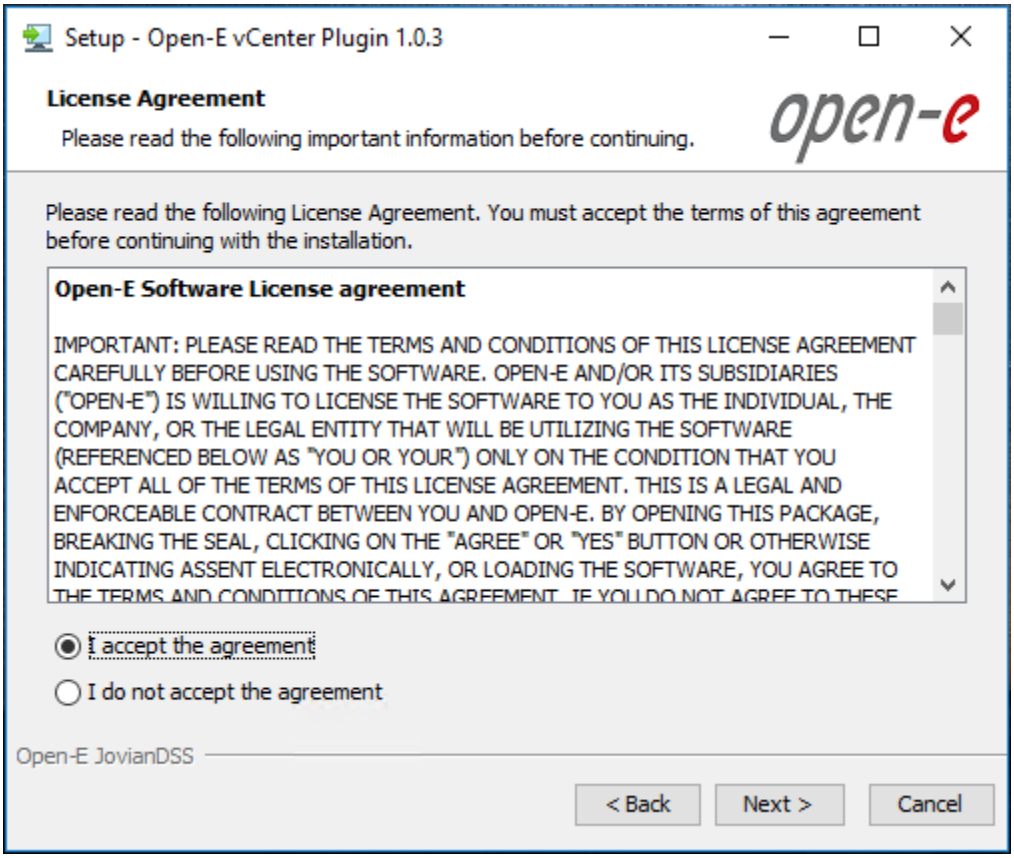
3.3.1 Upgrading the plugin for Windows

You can upgrade the existing version of the Open-E plugin to the latest version.
To upgrade the plugin:

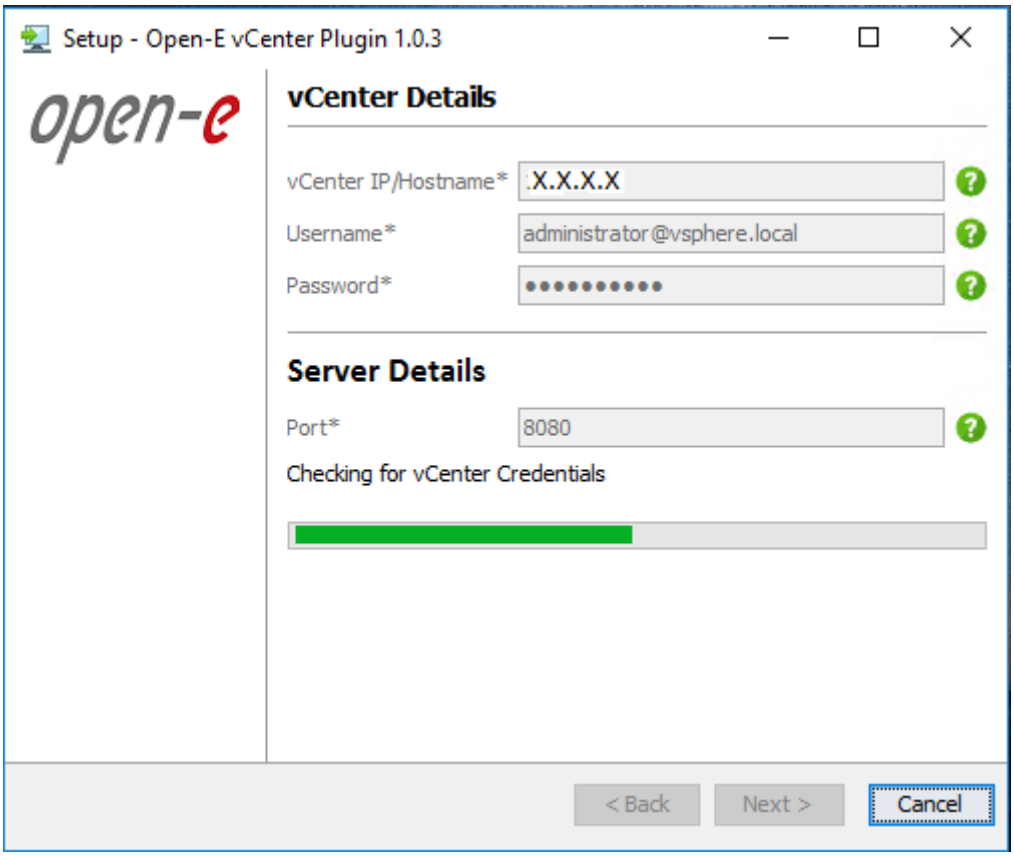
1. Double-click the upgrade file <**Open_E_vCenter_Plugin_1.0.3.exe**> to launch the installation wizard.



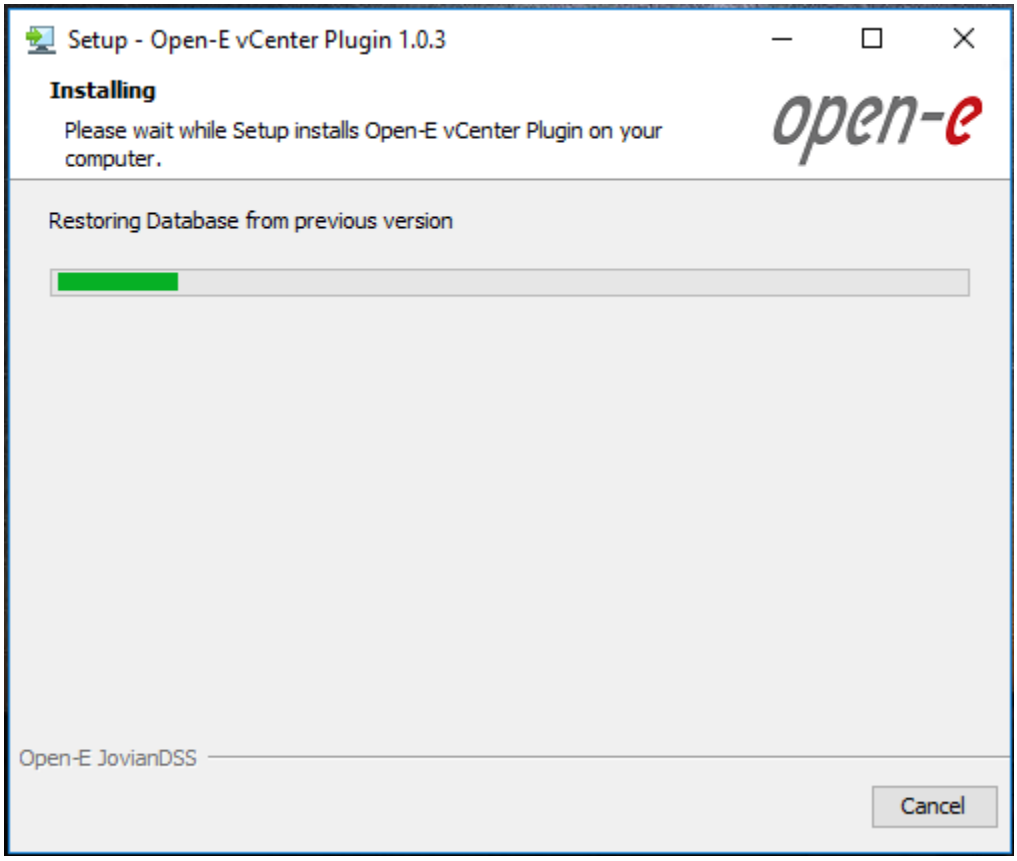
2. Read the end-user license and select **I accept the agreement.**



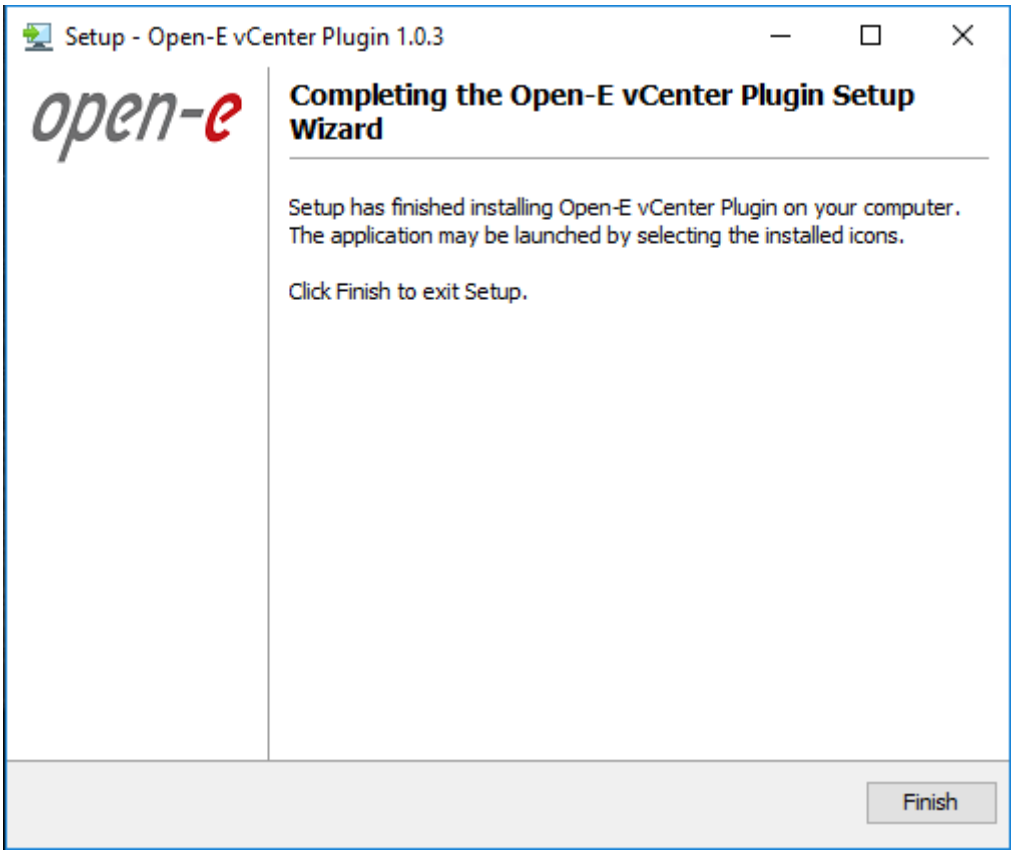
3. Click **Next**.
4. Enter the vCenter username and password and click **Next**.



5. The database restore progress is displayed.



6. Click **Finish.**



3.3.2 Upgrading the plugin for Centos

You can upgrade the existing version of the Open-E plugin to the latest version.
To upgrade the plugin:

1. From Centos, execute the upgrade file **<Open_E_vCenter_Plugin_1.0.3.sh>**, accept the EULA, and provide the vCenter server IP, vCenter SSO credentials, Local Server Port details when prompted. The following is a sample vCenter plugin installation for CentOS.

```
I accept the agreement
Yes [1], No [2]
1
vCenter Details
vCenter IP/Hostname*
[172.16.100.110]

Username*
[]
administrator@vsphere.local
Password*

Server Details
Port*
[8080]

Checking vCenter Reachable
Checking for vCenter Credentials
Checking for privileges
Uninstalling previous version
Extracting files ...

Restoring Database from previous version
Open-E vCenter Plugin Installation
Registering the service
Starting the service
Service has started now
Setup has finished installing Open-E vCenter Plugin on your computer.
Finishing installation ...
```

2. Read the End User License Agreement, enter 1 to agree to the EULA.
3. Enter the vCenter server details:

- Enter the vCenter Server hostname or IP address.
- Enter the vCenter Server username.
- Enter the vCenter Server password.
- Enter the vCenter Server Port Number (by default 8080).

4. The plugin is upgraded successfully.

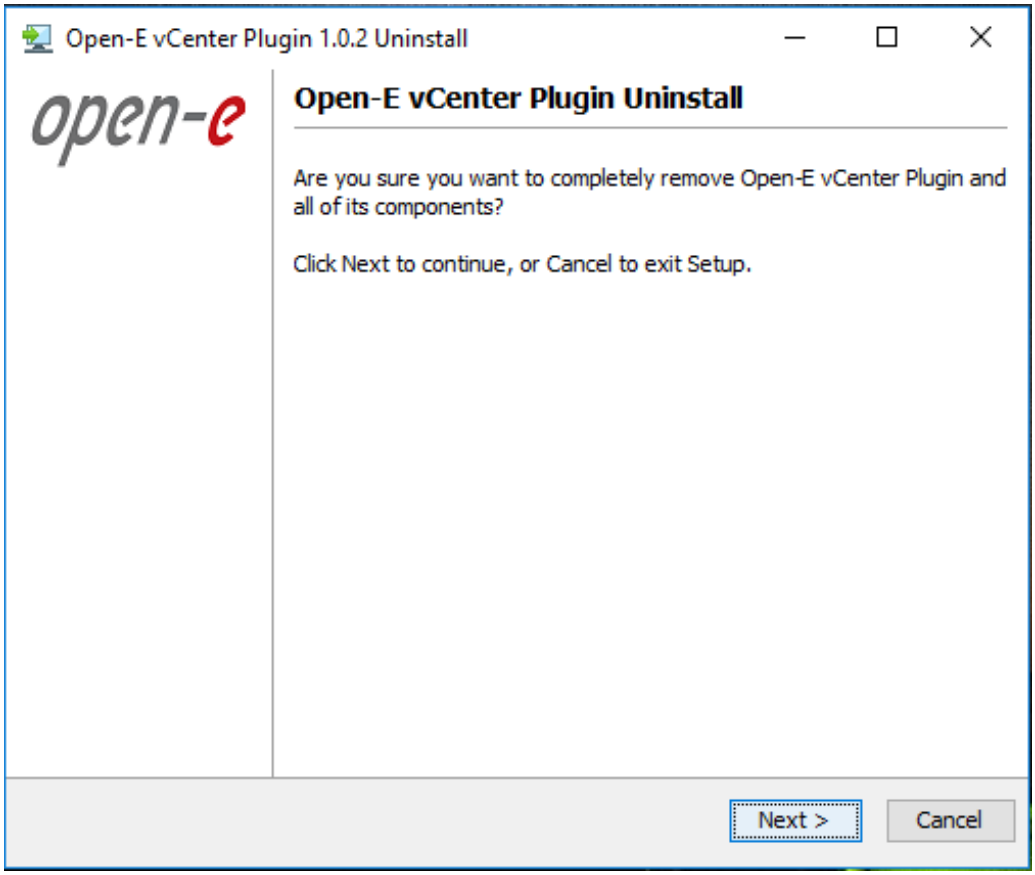
3.4 Removing the plugin

This topic explains the steps required to remove the plugin from the vCenter Server for Windows and Centos.

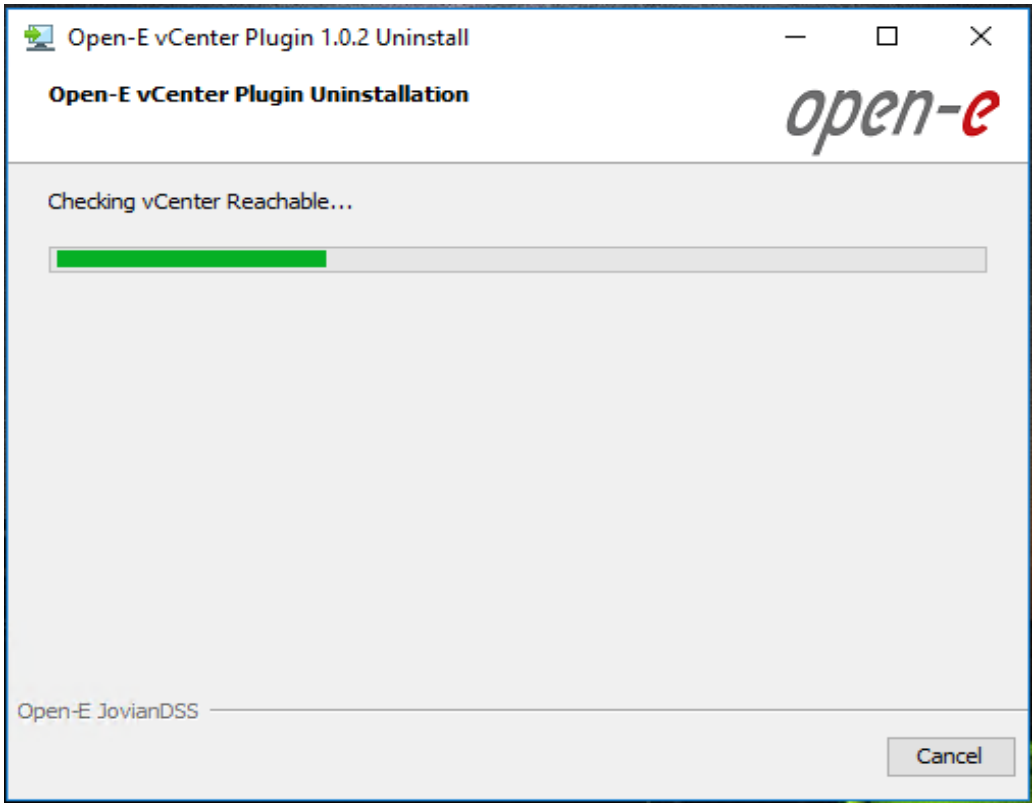
3.4.1 Removing the plugin for Windows

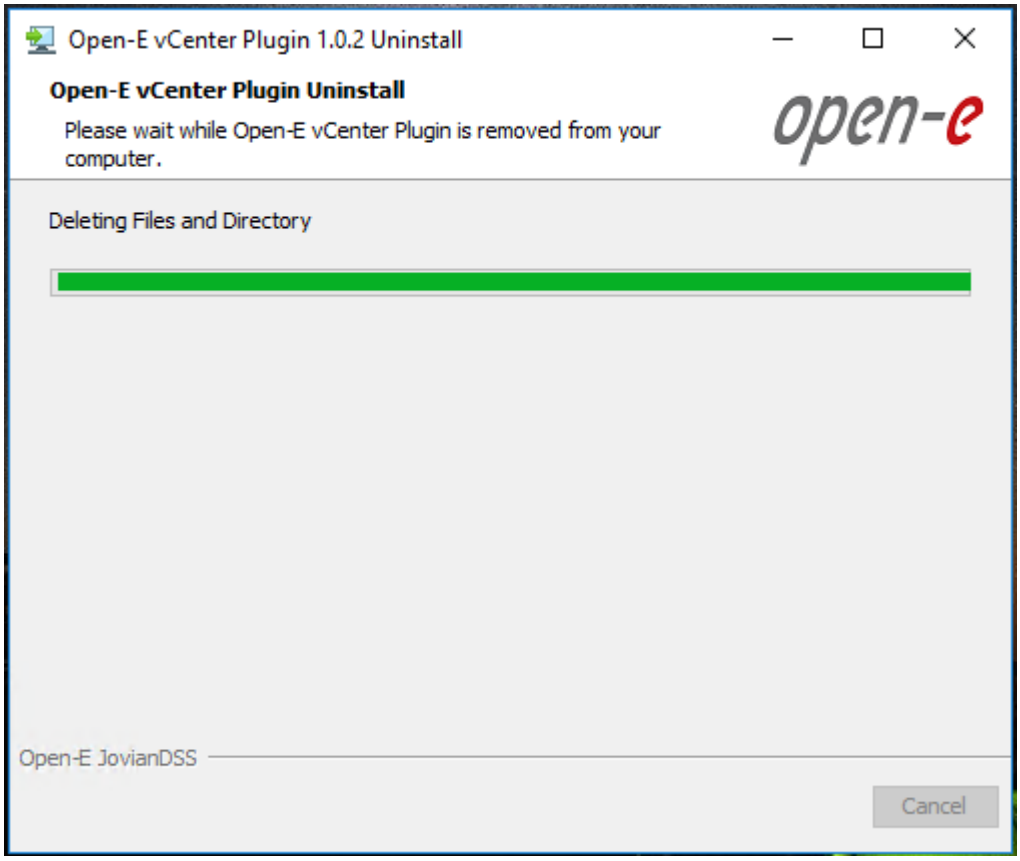
This topic explains the steps required to remove the plugin for Windows.
To remove the plugin:

1. Navigate to the C:\Program Files\Open-E-vCP default folder and click uninstall.exe to launch the uninstallation wizard. (If you have not used the default install location, execute from the path that you mentioned during installation). The following information is displayed.

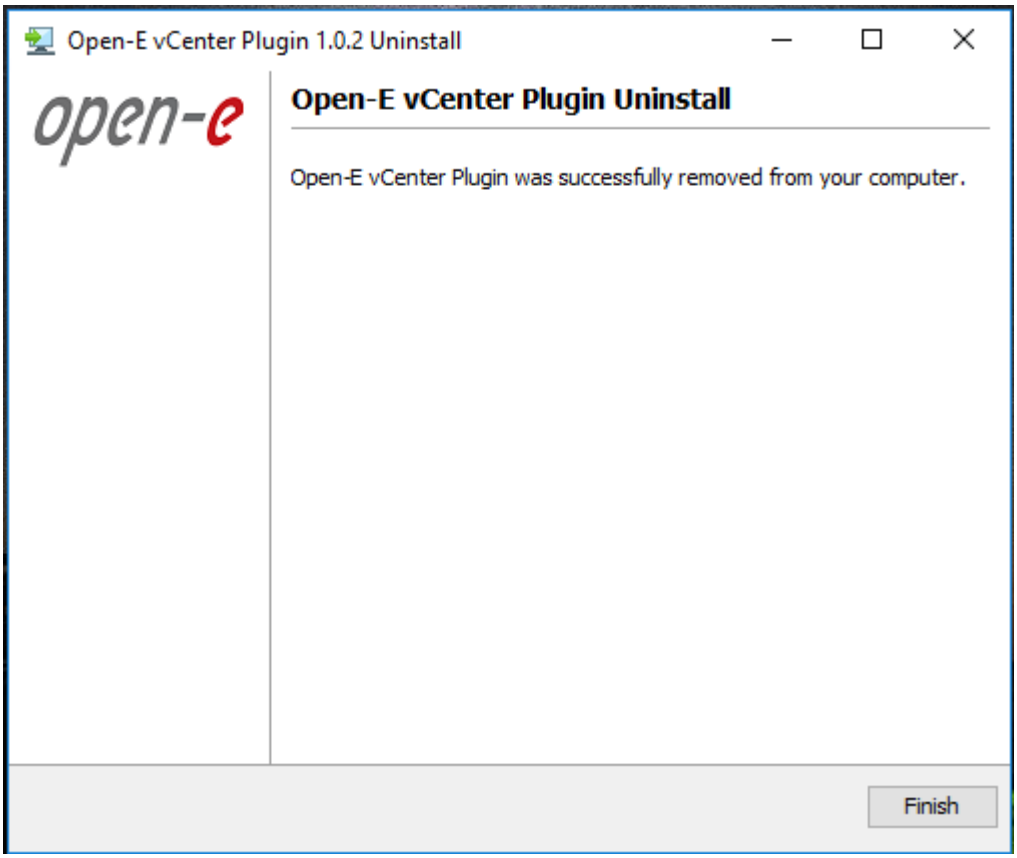


2. Click **Next**. The uninstallation progress is displayed.





3. Click **Finish**.



3.4.2 Removing the plugin for Centos

This topic explains the steps required to remove the plugin for Centos.
To remove the plugin:

1. From the Centos VM, navigate to the /usr/local/Open-E-vCP folder and execute the uninstall.sh file. If you have not used the default install location, execute it from the path which you have mentioned during installation. The following information is displayed.

```
/usr/local/Open-E-vCP
[root@localhost Open-E-vCP]# ./uninstall
Are you sure you want to completely remove Open-E vCenter Plugin and all of its components?
Yes [y, Enter], No [n]
y
Open-E vCenter Plugin Uninstallation
Checking vCenter Reachable...
Checking plugin registration
Unregistering Plugin
Terminating local server
Uninstalling Open-E vCenter Plugin 1.0.0 ...
Deleting Files and Directory
Open-E vCenter Plugin was successfully removed from your computer.
Finishing uninstallation ...
```

2. Enter “y” or press Enter to continue the removal of the plugin and all its components.
For any plugin removal issues, see Plugin removal issues.

4. Using the Open-E vSphere Web Client plugin

The VMware vSphere web client integration with Open-E components enables direct access to the Open-E storage node that is configured in the VMware vSphere web client.
The plugin interface allows you to view the storage nodes and create datastores. This chapter includes the following topics:

- Discovery of JovianDSS storage node.
- Creating datastore.
- Managing snapshots.
- Scheduling snapshots.

4.1 Discovery of JovianDSS storage node

The Plugin provides an interface to discover the Open-E JovianDSS storage node and list down the discovered Open-E JovianDSS storage nodes. It further stores the discovered information in the plugin database with the details such as Storage IP, Username, Password, and Model Version.

Discovered storage nodes are listed and you can add, edit, and remove the storage node details.

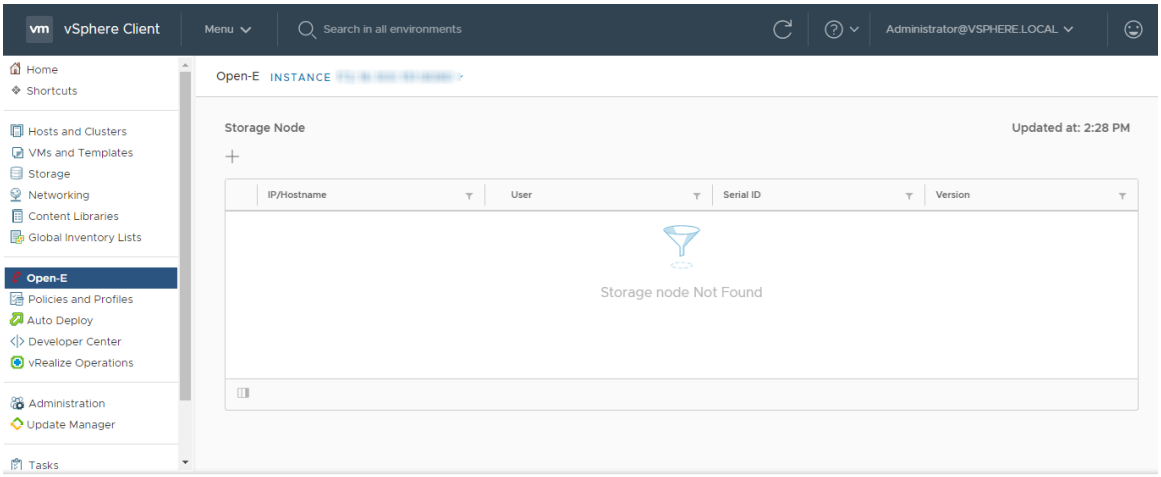
4.1.1 Adding Open-E JovianDSS storage node

You can add the storage nodes.

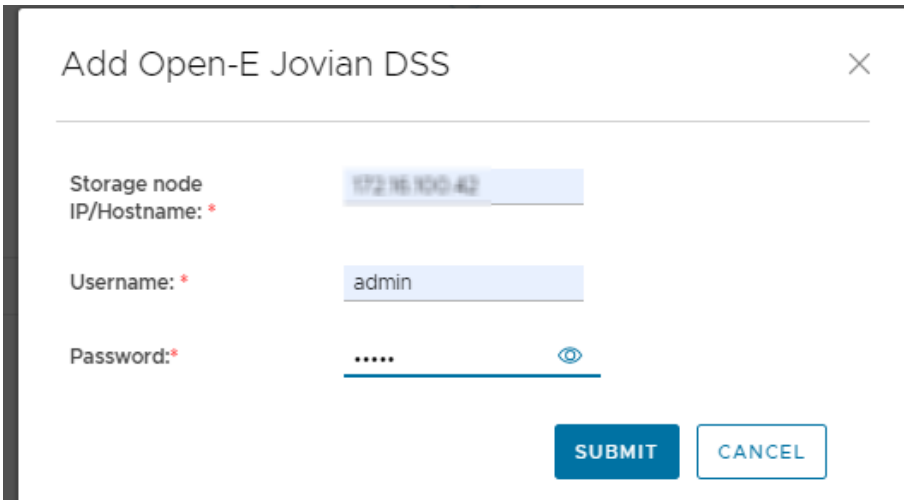
Note: Ensure that one or more storage node is available for adding and that the administrator uses valid storage node user credentials.

To add a storage node:

1. Log in to the vSphere web client.
2. Click **Open-E** in the left pane.



3. Click the **Add** icon to add a storage node. The **Add Open-E JovianDSS** screen is displayed.

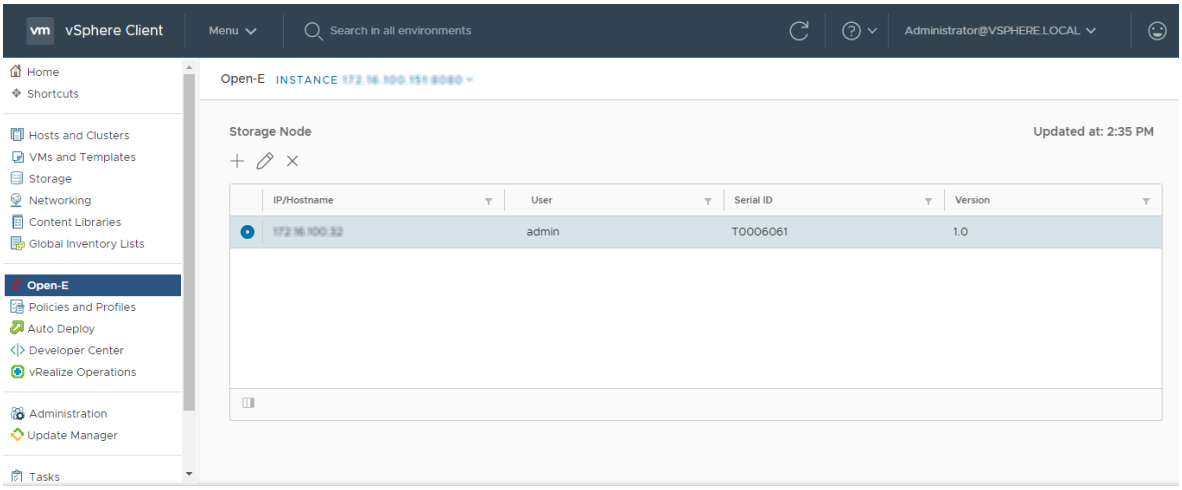


4. Enter the storage node IP or hostname in the **Storage node IP/Hostname** field.
5. Enter the username and password of the storage node in the **Username** and **Password** fields respectively.
6. Click **SUBMIT**.
   On clicking the **SUBMIT** button, the storage node is authenticated and then added.

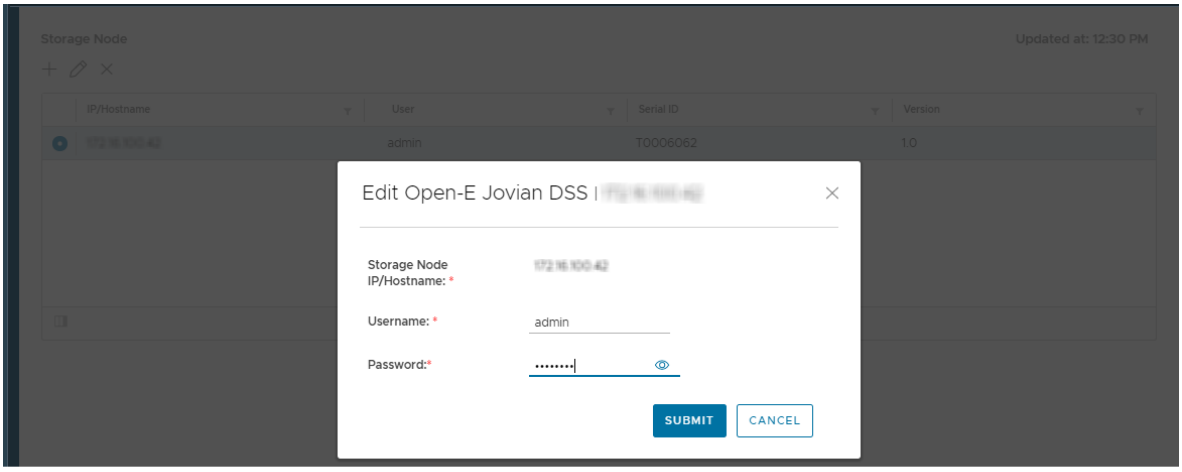
4.1.2 Editing the Open-E JovianDSS storage node

Use the edit feature to update the password of the storage node.
To edit a storage node password:

1. Log in to the vSphere web client.
2. Click **Open-E** in the left pane.



3. Select the storage node you want to edit and click the **Edit** icon. The **Edit Open-E JovianDSS** screen is displayed.



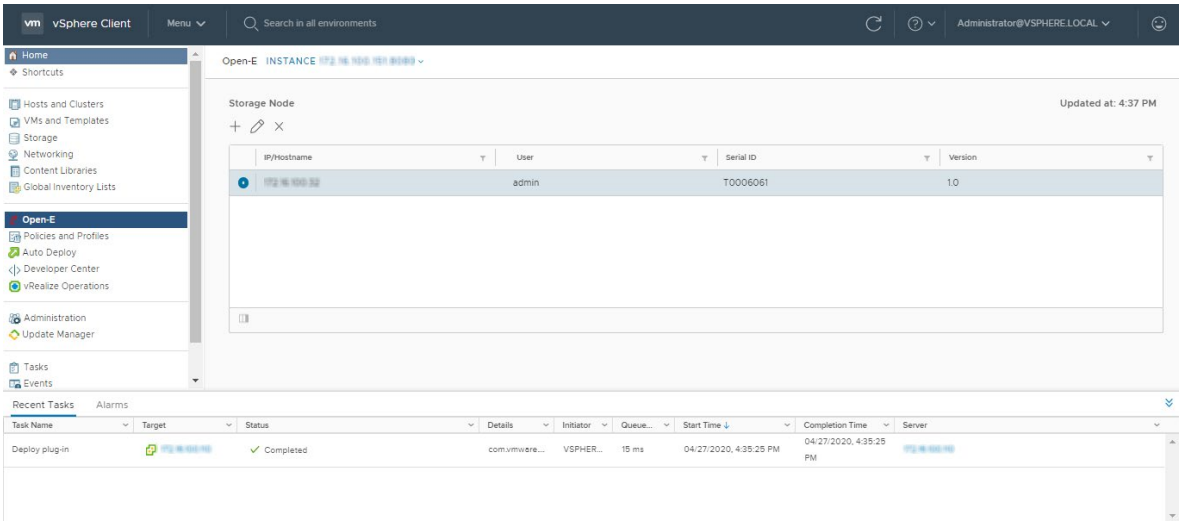
4. Enter the password of the storage node in the **Password** field.
5. Click **SUBMIT**. The password of the selected storage node is authenticated and then modified.

4.1.3 Removing the Open-E JovianDSS storage node

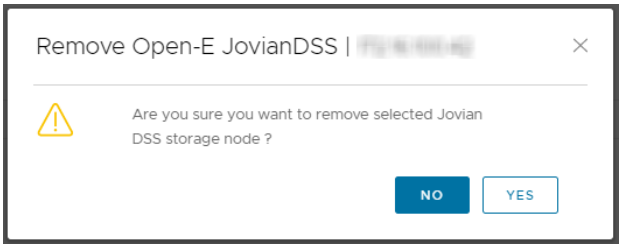
You must have a storage node to remove from the inventory.

To remove a storage node:

1. Log in to the vSphere web client.
2. Click **Open-E** in the left pane.



3. Select the storage node you want to remove.
4. Click the **Remove** icon to remove a storage node. The **Remove Open-E JovianDSS** screen is displayed.



5. Click **YES** on the confirmation screen.
   The selected storage node is removed.

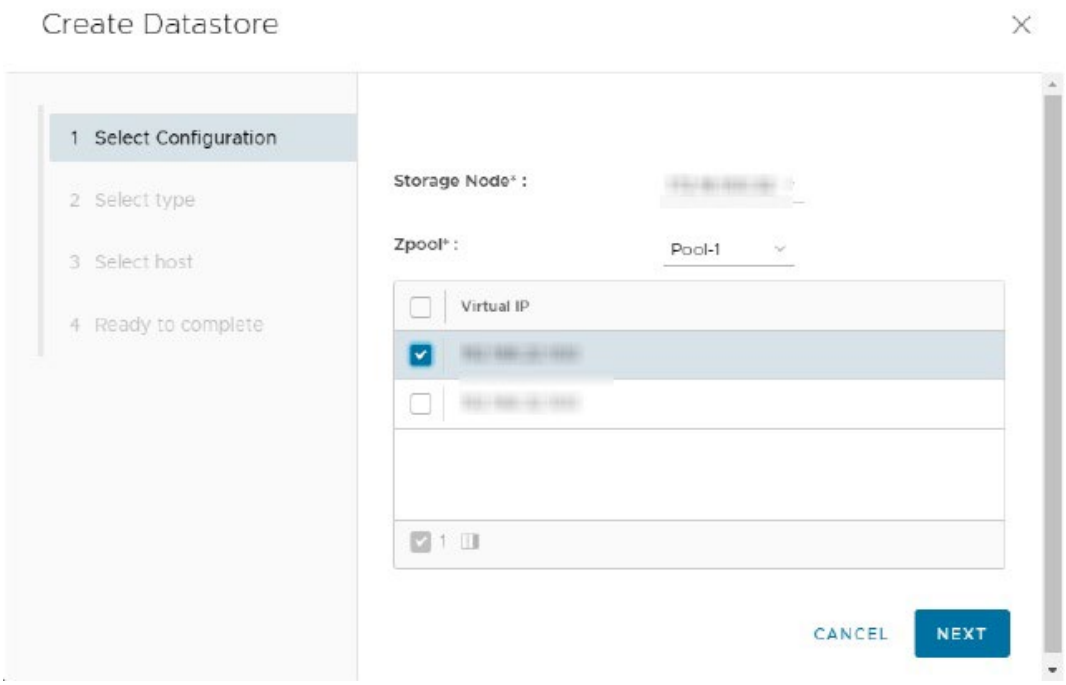
4.2 Creating datastore

This section describes the process ofcreating a new datastore on a selected cluster and host.

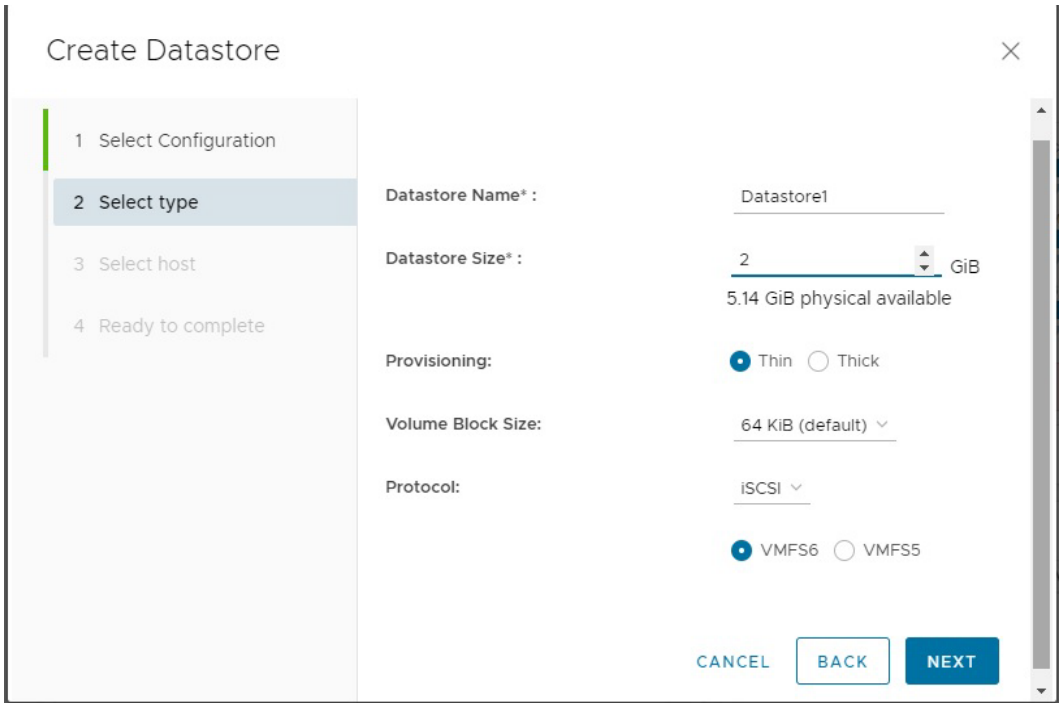
4.2.1 Create a datastore on cluster

Select the cluster on which you want to create a datastore.
To create a datastore on cluster:

1. Click **Hosts and Clusters** in the left navigation pane in the VMware® vSphere Web Client UI.
2. Right-click the cluster and navigate to Open-E.
3. Click **Create Datastore**. The **Create Datastore** wizard is displayed.



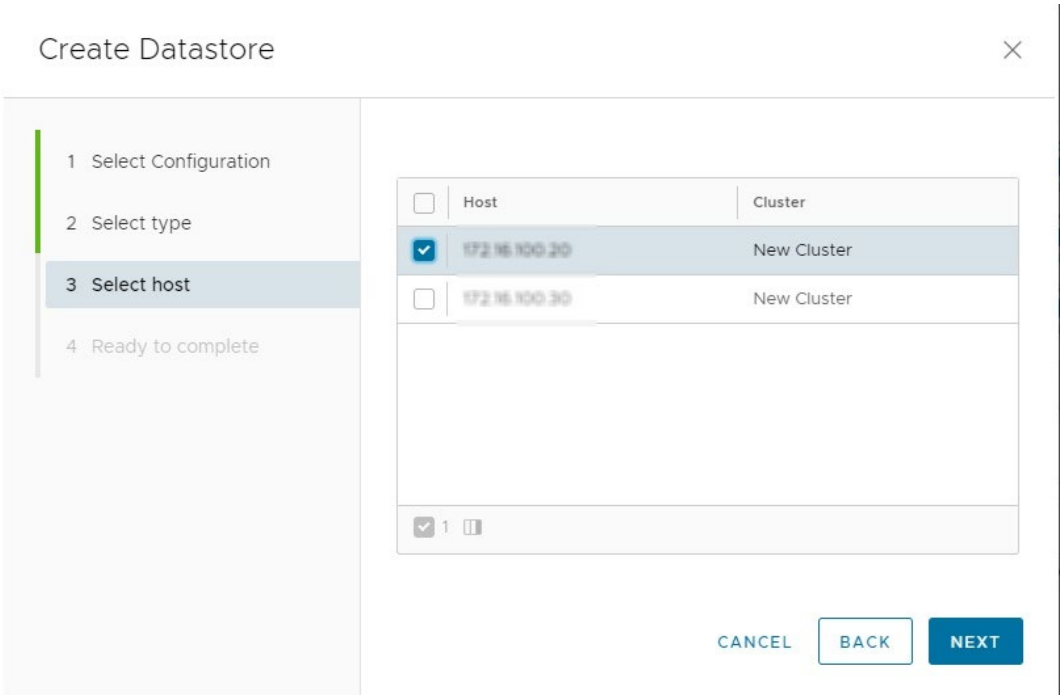
4. Select the **Storage Node** on which you want to create the datastore.
5. Select the **Zpool** from the list.
6. Select the **Virtual IP** check box where you want to create the datastore and click **NEXT**.



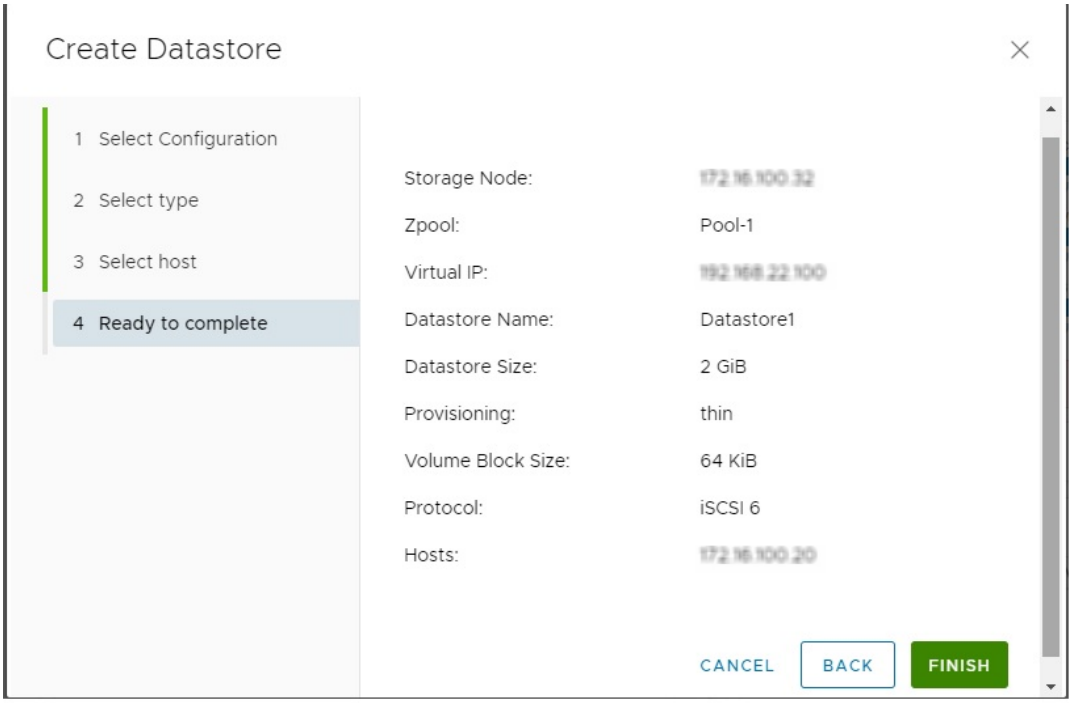
7. Enter the following details:

- **Datastore Name**: Enter the name of the datastore. Permitted characters are all alphabets (lower and upper case), numbers ranging from 0 to 9, and special characters that are semicolon (:), underscore (_), dash (–), and full stop (.).
- **Datastore Size**: Enter the datastore size in GiB. The default size is 2GB.
- **Provisioning**: Select **Thin** or **Thick** as required.
- **Volume Block Size**: Select the volume block size from the list.
- **Protocol**: Select the iSCSI protocol from the list.

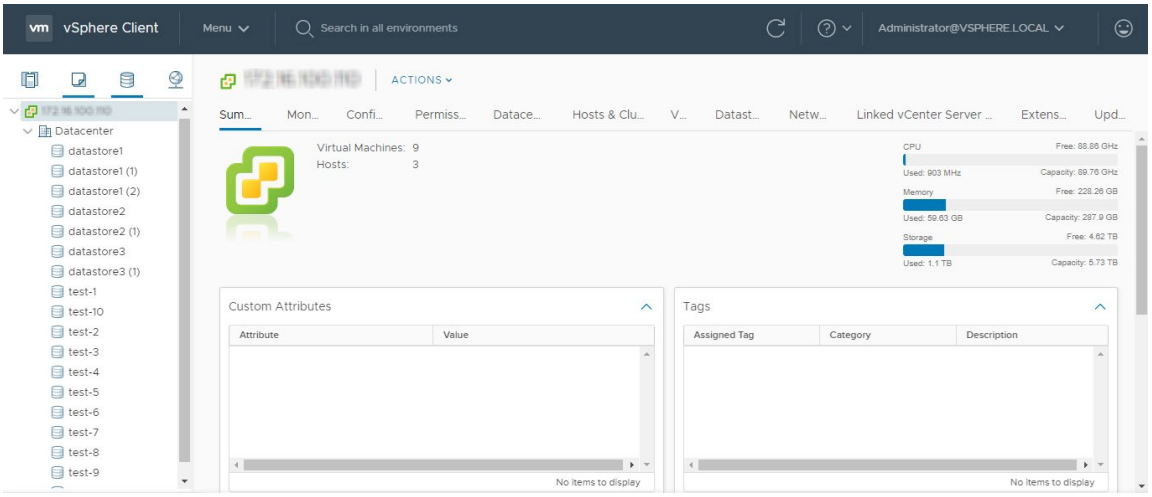
8. Select **VMFS6** or **VMFS5** as required and click **NEXT**.



9. Select the host(s) on which you want to create the datastore and click **NEXT**.



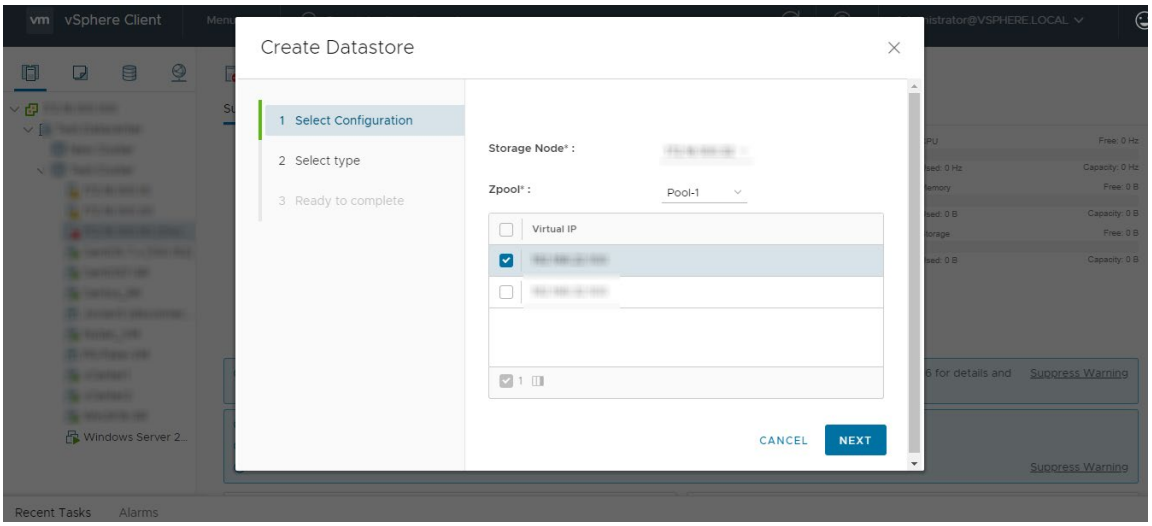
10. Review the provided details to create the datastore and click **FINISH**.
You can view the added datastore as follows:



4.2.2 Create a datastore on the host

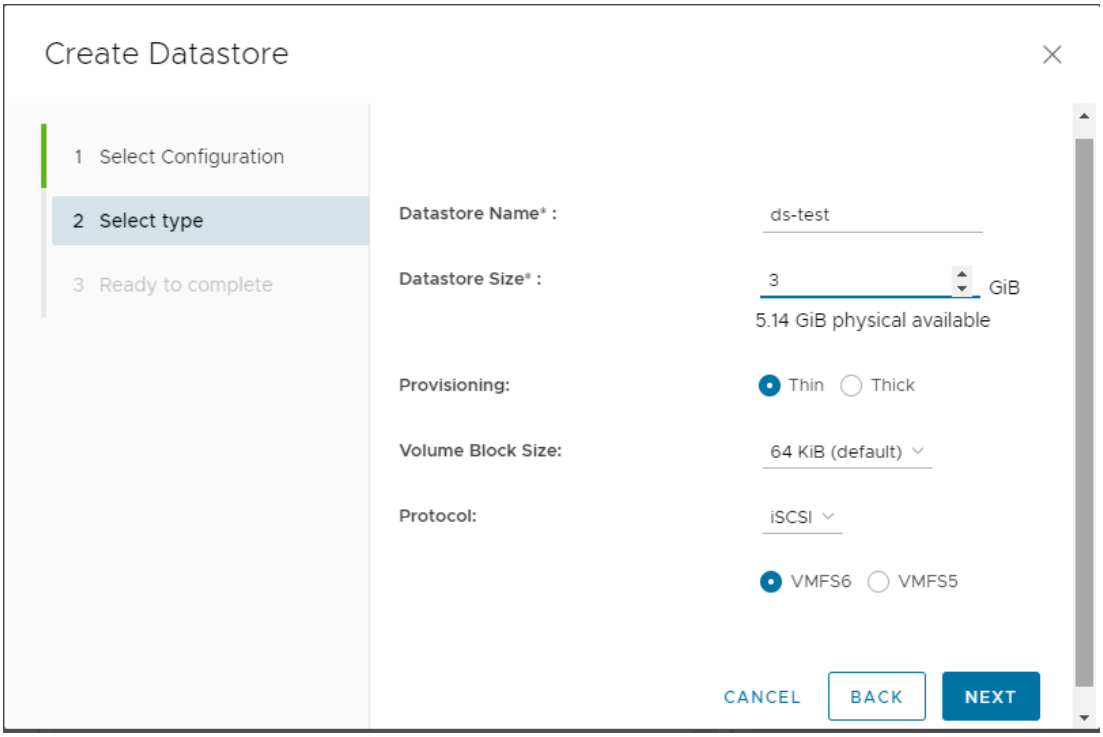
Select a host on which you want to create a datastore.
To create a datastore on the host:

1. Click **Hosts and Clusters** in the left navigation pane in the VMware® vSphere Web Client UI.
2. Right-click the host and navigate to Open-E.
3. Click **Create Datastore**. The **Create Datastore** wizard is displayed.



4. Select the **Storage Node** on which you want to create the datastore.
5. Select the **Zpool** from the list.
6. Select the **Virtual IP** check box where you want to create the datastore and click **NEXT**.

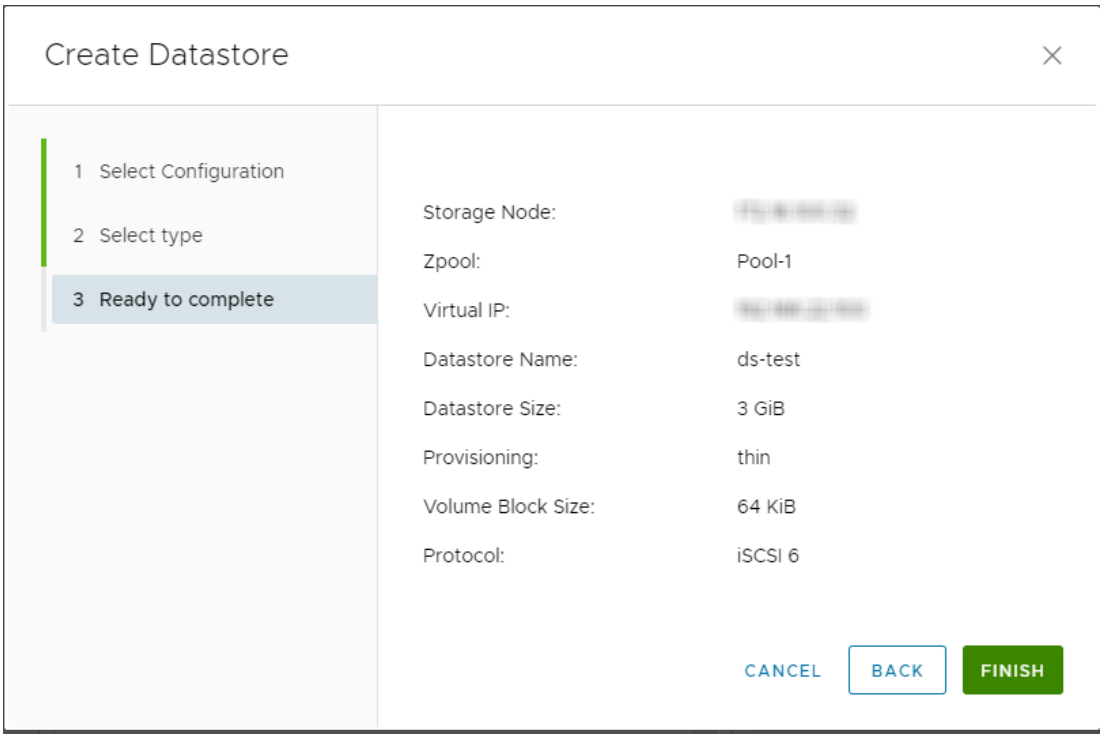
Note: Virtual IPs should be created on JovianDSS before using this functionality. vCenter server must have configured network switches and vkernel to access JovianDSS virtual IPs



7. Enter the following details:

- **Datastore Name**: Enter the name of the datastore. Permitted characters are all alphabets (lower and upper case), numbers ranging from 0 to 9, and special characters that are semicolon (:), underscore (_), dash (–), and full stop (.).
- **Datastore Size**: Enter the datastore size in GiB. The default size is 2GB.
- **Provisioning**: Select **Thin** or **Thick** as required.
- **Volume Block Size**: Select the volume block size from the list.
- **Protocol**: Select the iSCSI protocol from the list.

8. Select **VMFS6** or **VMFS5** as required and click **NEXT**.

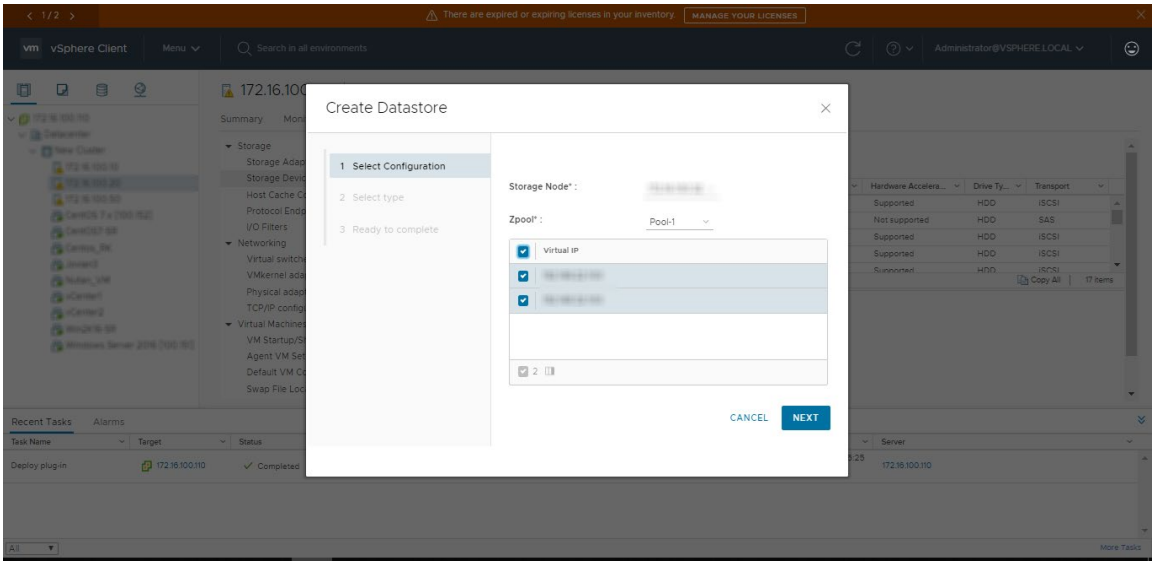


9. To create the datastore, review the provided details and click **FINISH**.

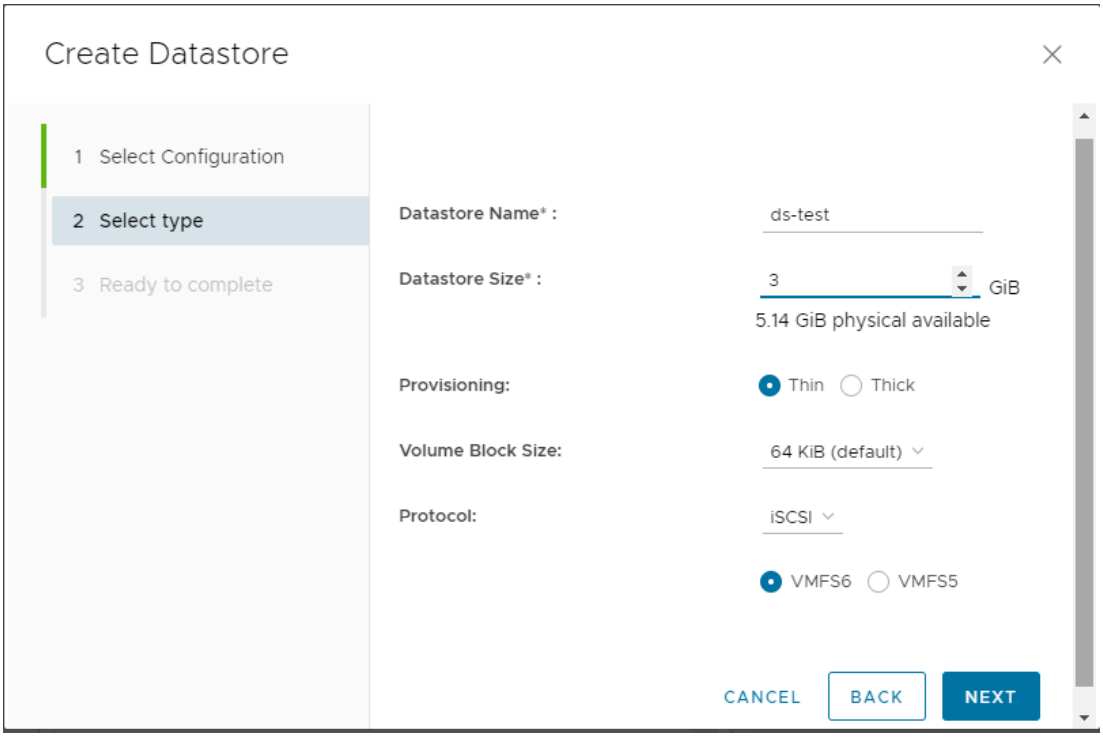
4.2.3 Create a datastore for multiple virtual IPs

Creating a datastore that has more than one virtual IP.
To create a datastore for multiple virtual IPs:

1. Click **Hosts and Clusters** in the left navigation pane in the VMware® vSphere Web Client UI.
2. Right-click the host and navigate to Open-E.
3. Click **Create Datastore**. The **Create Datastore** wizard is displayed.



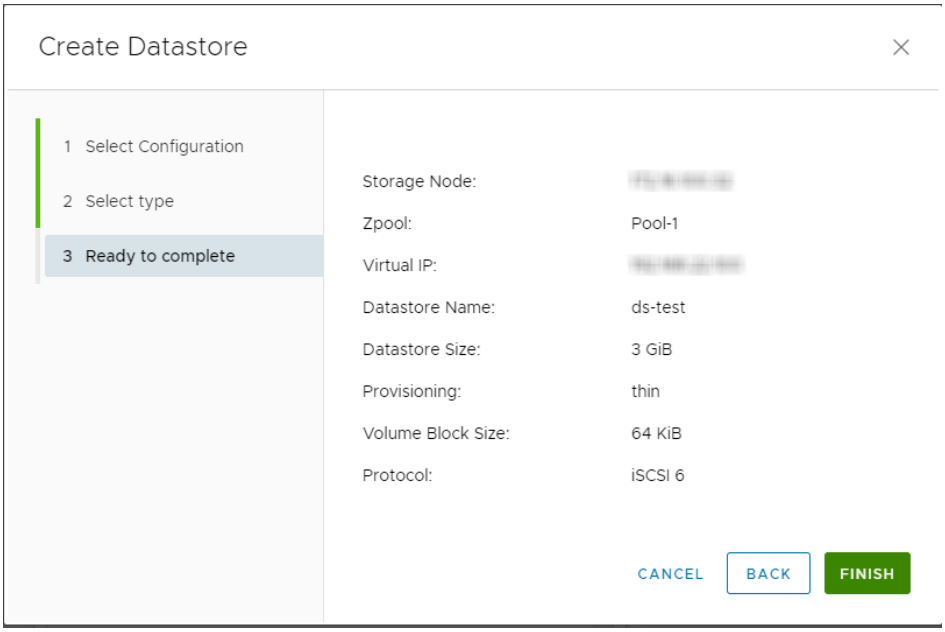
4. Select the **Storage Node** on which you want to create the datastore.
5. Select the **Zpool** from the list.
6. Select multiple IPs as required in the **Virtual IP** field on which you want to create the datastore and click **NEXT**.



7. Enter the following details:

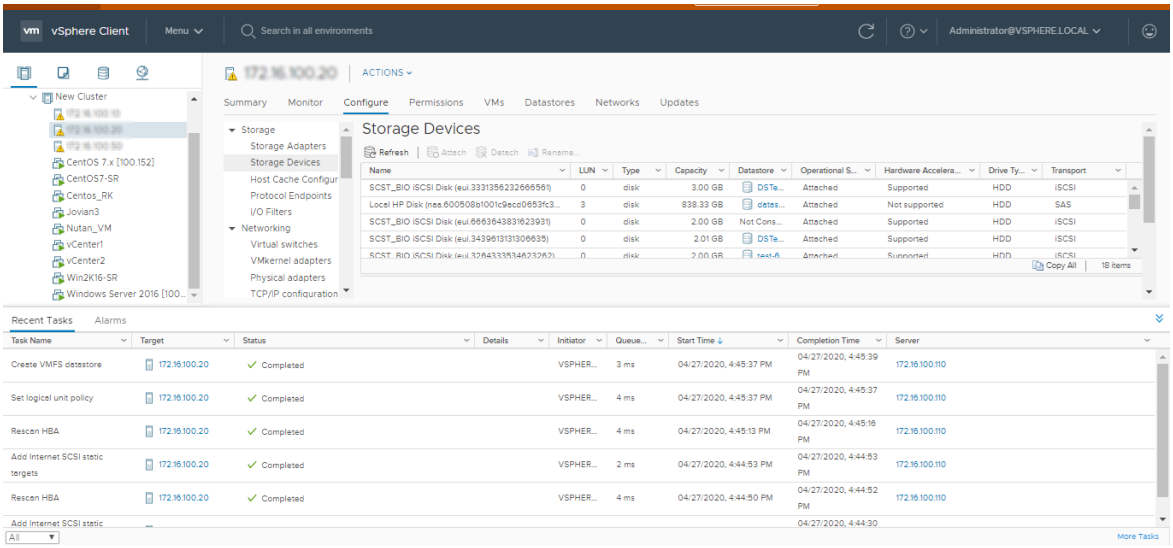
- **Datastore Name**: Enter the name of the datastore. Permitted characters are all alphabets (lower and upper case), numbers ranging from 0 to 9, and special characters that are semicolon (:), underscore (_), dash (–), and full stop (.).
- **Datastore Size**: Enter the datastore size in GiB. The default size is 2GB.
- **Provisioning**: Select **Thin** or **Thick** as required.
- **Volume Block Size**: Select the volume block size from the list.
- **Protocol**: Select the iSCSI protocol from the list.

8. Select **VMFS6** or **VMFS5** as required and click **NEXT**.

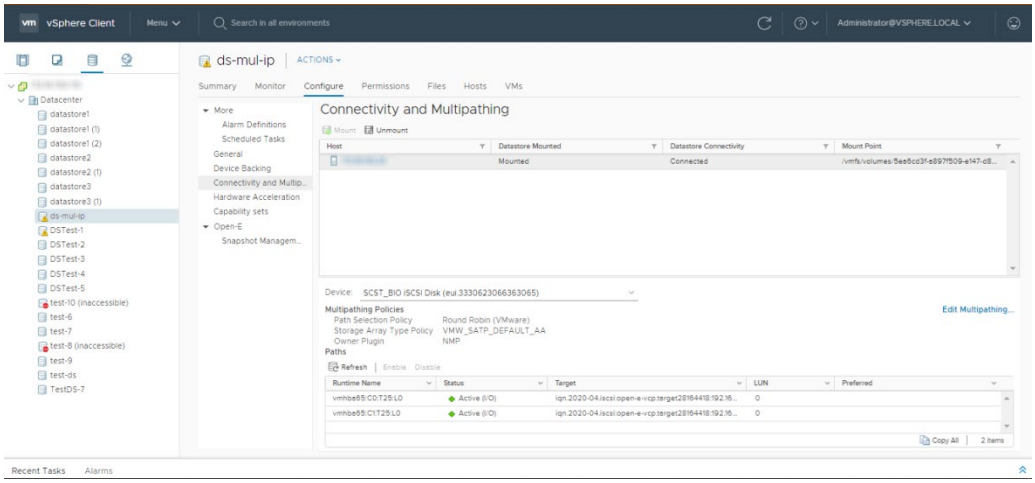


9. To create the datastore review the provided details and click **FINISH**.

The created datastore supports more than one virtual IP. In the Recent Tasks, you can view the Set logical unit policy task. This is aimed at setting the Round Robin Policy in case you have more than one virtual IP.



You can view the multipath that is set for the datastore as follows:



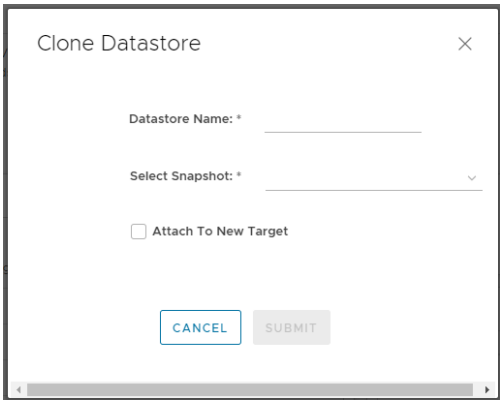
4.2.4 Cloning datastore

You can clone an existing datastore by selecting the datastore on which you want to clone the datastore. You can create a snapshot on the cloned datastore but you cannot schedule a snapshot on the cloned datastore.

Note: Minimum of one snapshot must be present on the datastore which you want to clone. (Please refer to section 4.4 for snapshot management)

To clone a datastore:

1. Right-click the datastore on the left navigation pane VMware® vSphere Web Client UI and navigate to Open-E.
2. Click **Clone Datastore**. The **Clone Datastore** wizard is displayed.



3. Enter the datastore name in the **Datastore Name** field. Permitted characters are all alphabets (lower and upper case), numbers ranging from 0 to 9, and special characters that are semicolon (:), underscore (_), dash (–), and full stop (.).
4. Select the snapshot from the drop-down list for which you want to create the clone. At least one snapshot should exist for cloning a datastore.
5. To attach to a new target, click the **Attach To New Target** checkbox and then click **SUBMIT**. The selected datastore is cloned.
6. Click **SUBMIT** to attach it to the same target.

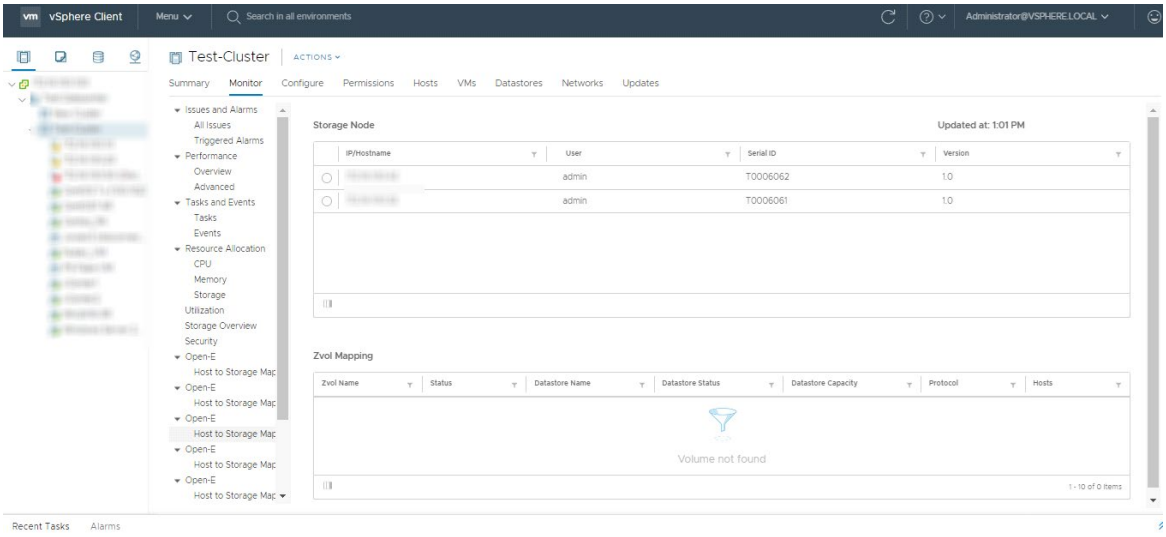
4.3 Storage mapping

This section describes the details of viewing the host to Zvol mapping of the selected storage node. The Zvols created on ESXi or clusterare listed and can be viewed using the volume mapping feature.

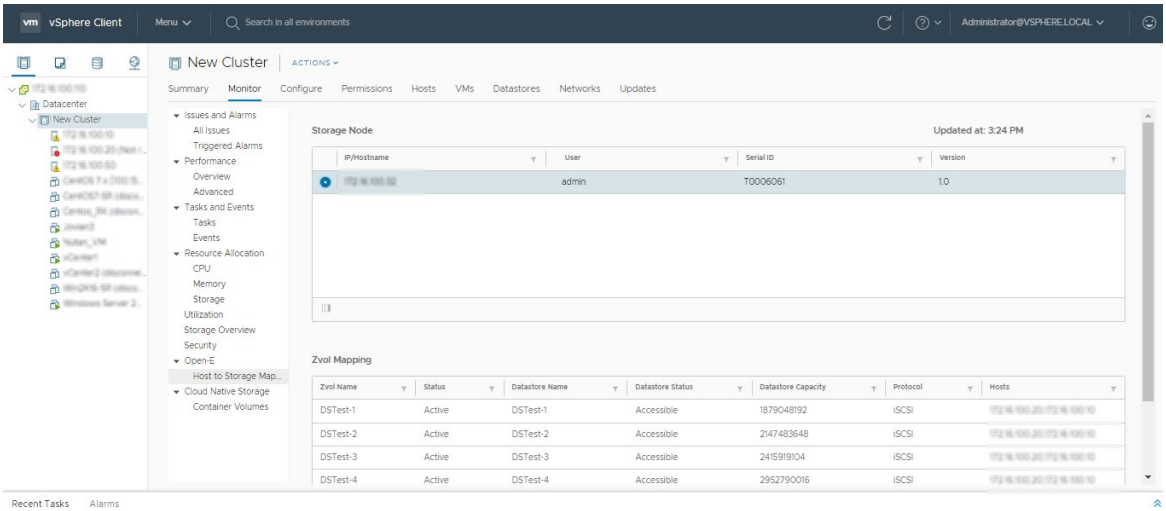
4.3.1 Cluster to storage mapping

To view the volume mapping:

1. Click **Hosts and Clusters** in the left navigation pane in the VMware® vSphere Web Client UI.
2. Select the required cluster, click **Monitor > Open-E > Host to storage mapping**. The right pane displays the storage node on the selected cluster.



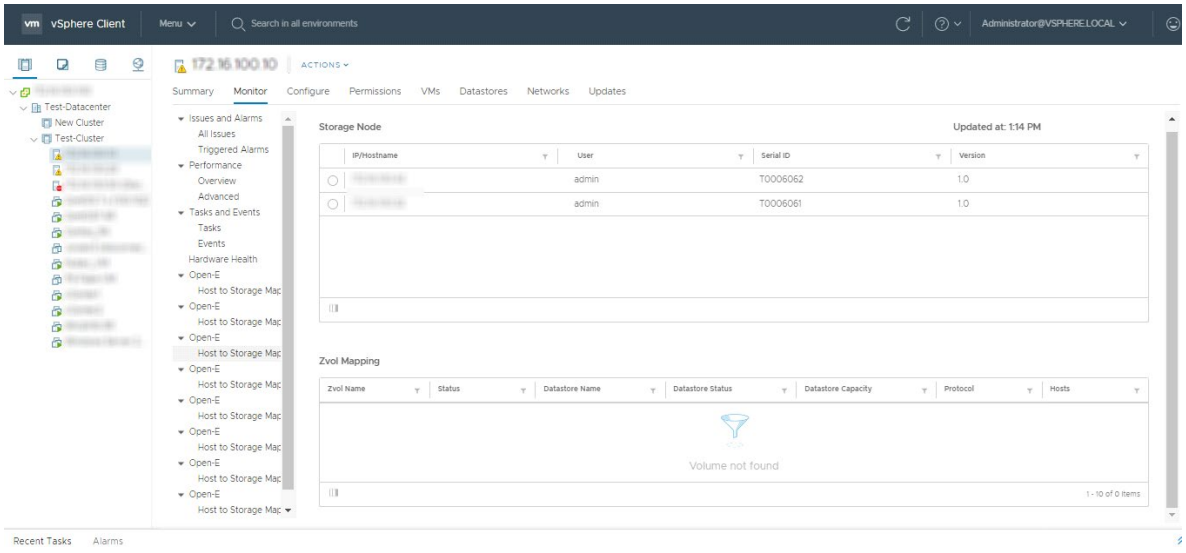
3. Select a storage node in the Storage Node list. A list of Zvols mapped to the selected cluster is listed in the Zvol mapping section.



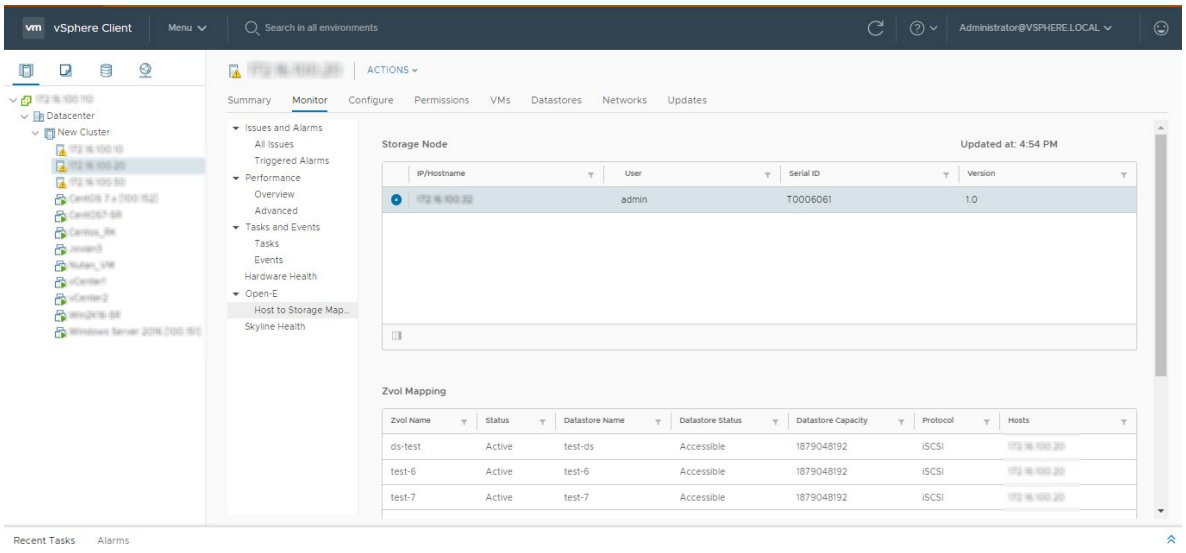
4.3.2 Host to storage mapping

To view the volume mapping:

1. Click **Hosts and Clusters** in the left navigation pane in the VMware® vSphere Web Client UI.
2. Select the required host, and click **Monitor > Open-E > Host to storage mapping**. The right pane displays the storage node on the selected host.



3. Select the required storage in the **Storage Node** list. A list of Zvols mapped to the selected host is listed in the Zvol mapping section.



4.4 Managing snapshots

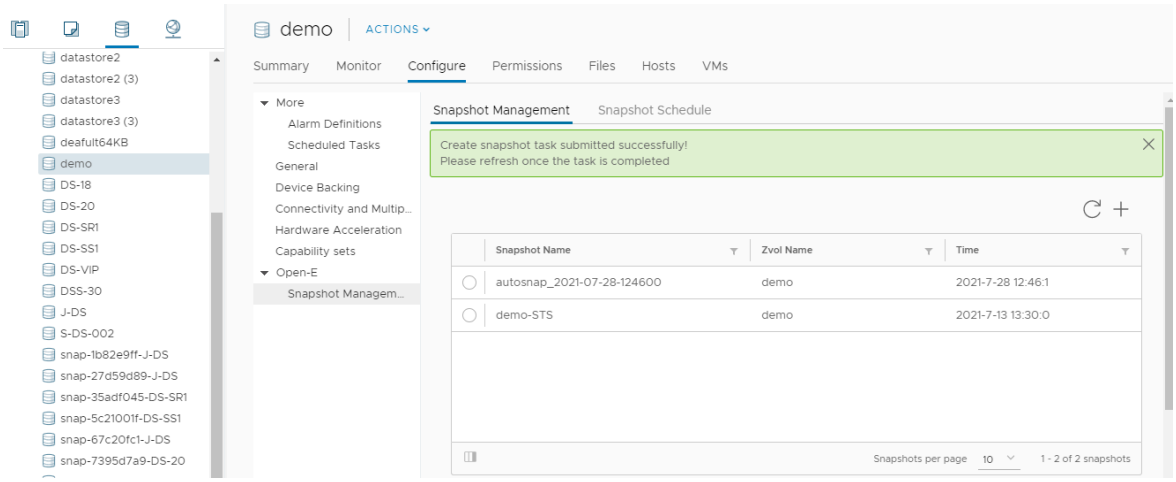
You can create a snapshot and list the existing snapshots for the selected datastores. You can later delete a snapshot.

4.4.1 Creating snapshot

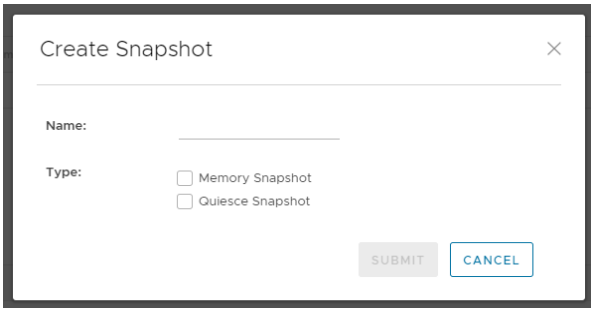
You can create snapshots that are mapped to the selected datastore.

To create snapshots:

1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure** > **Open E** > **Snapshot Management**. The Snapshot grid lists all the snapshots on the selected datastore.



5. Click the **Create** icon to create the snapshot. The **Create Snapshot** screen is displayed.



6. Enter the name of the snapshot in the mandatory **Name** field. The snapshot name has to start with character (A-Z, a-z), and allowed characters are (a-z, A-Z, 0-9, _, -).
7. To save the snapshot either as a **Memory Snapshot** or a **Quiesce Snapshot**, click the respective checkboxes in the **Type** field.

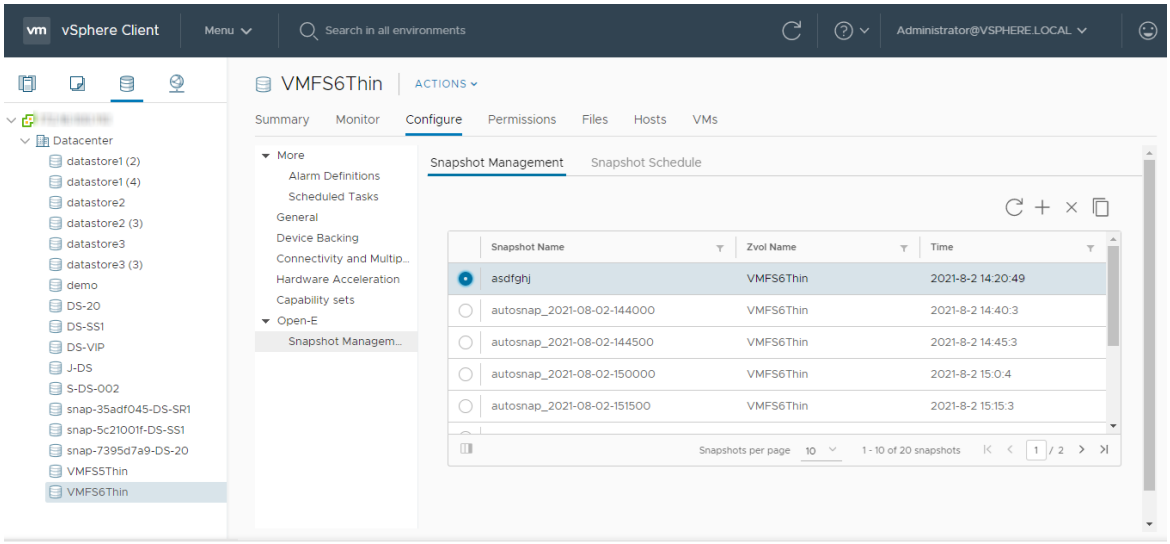
- **Memory Snapshot**: Here, a dump of the internal state of the virtual machine is included in the snapshot. Memory snapshots take longer to create but allow reversion to a running virtual machine state as it was when the snapshot was taken.
- **Quiesce Snapshot**: If the virtual machine is powered or when the snapshot is taken, VMware Tools are used to quiesce the file system in the virtual machine. Quiescing a file system is a process of bringing the on-disk data of a physical or virtual computer into a state suitable for backups. This process might include such operations as flushing dirty buffers from the operating system's in-memory cache to disk, or other higher-level application-specific tasks.

8. Click **SUBMIT**. The snapshot is saved both as a storage Zvol snapshot and a VMware® snapshot. After you create a snapshot, click the **Refresh** icon to get a new snapshot entry.

4.4.2 Listing snapshot

You can list the snapshots that are mapped to the selected datastore.
To get snapshots:

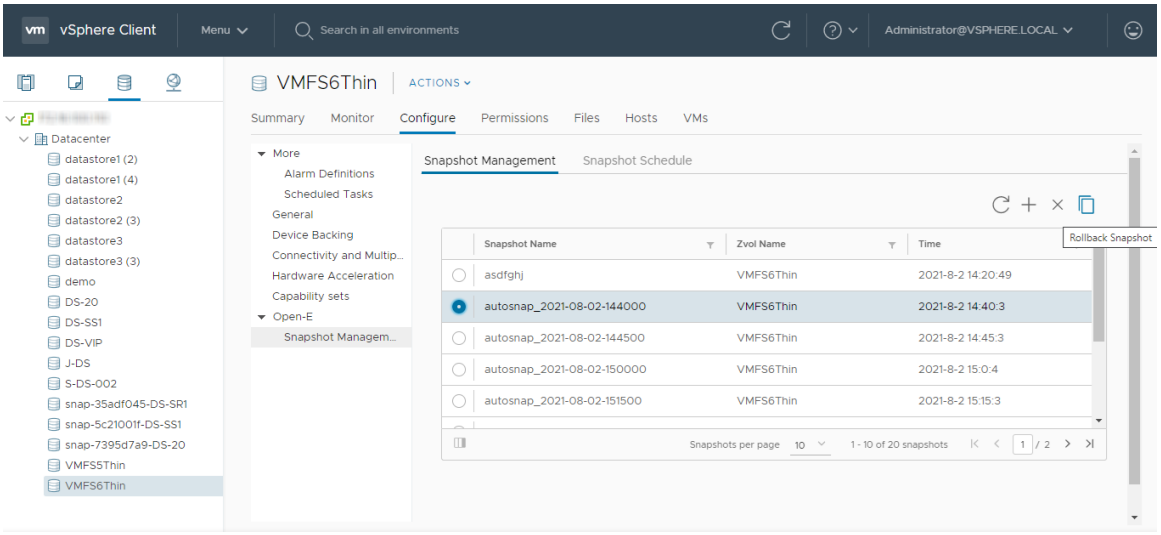
1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure > Open E > Snapshot Management**. The Snapshot grid lists all the snapshots on the selected datastore.



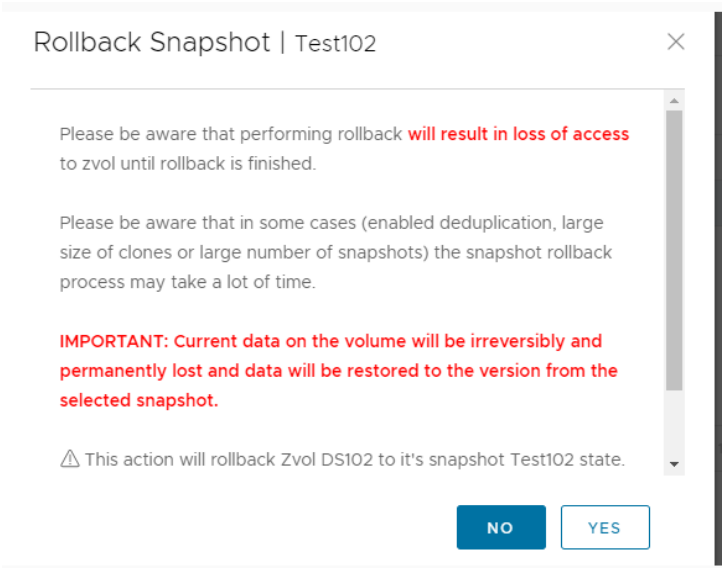
4.4.3 Rollback snapshot

You can use the rollback snapshot feature to roll back the state of a VM to the snapshot.
To roll back a snapshot:

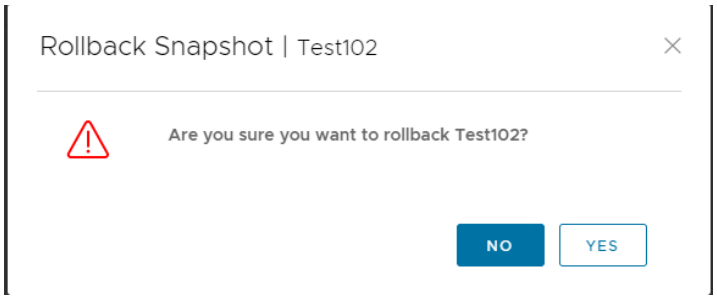
1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure** > **Open E** > **Snapshot Management**. The Snapshot grid lists all the snapshots on the selected datastore.



5. Select the snapshot that you want to roll back to and click **Rollback Snapshot**. The **Rollback Snapshot** confirmation screen is displayed.



6. Read the details in the confirmation screen and click **YES** to continue further.

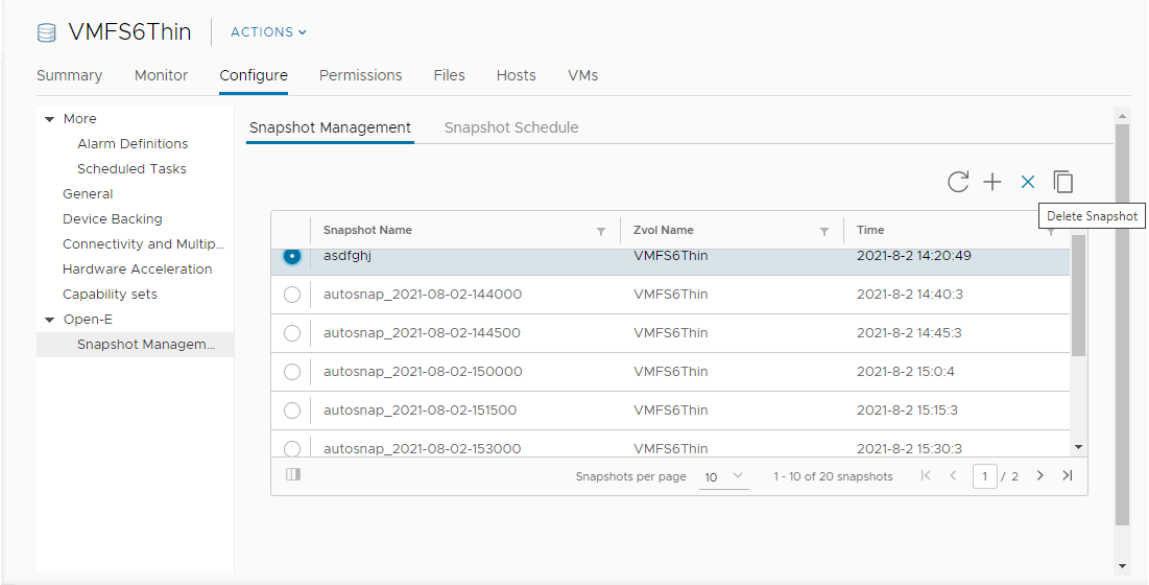


7. In the confirmation screen click **YES** to continue with the rollback.

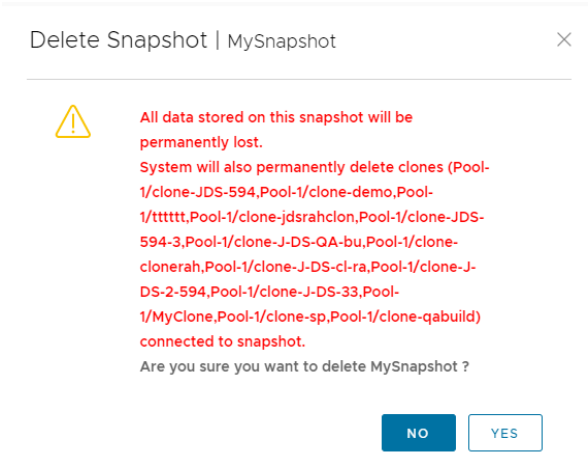
4.4.4 Deleting snapshot

You can delete the snapshots that are mapped to the selected datastore.
To delete snapshots:

1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure > Open E > Snapshot Management**. The Snapshot grid lists all the snapshots on the selected datastore.
5. Select the snapshot you want to delete.



6. Click the **Delete Snapshot** icon to delete the selected snapshot. A confirmation screen is displayed.



7. Read the confirmation message and click **YES** to delete the selected snapshot. If the snapshot is used for creating a clone datastore, deleting the snapshot will also delete the clones associated with it.

Note: After deleting the snapshot, the associated clone becomes inaccessible and you need to rescan HBA manually to remove the entry.

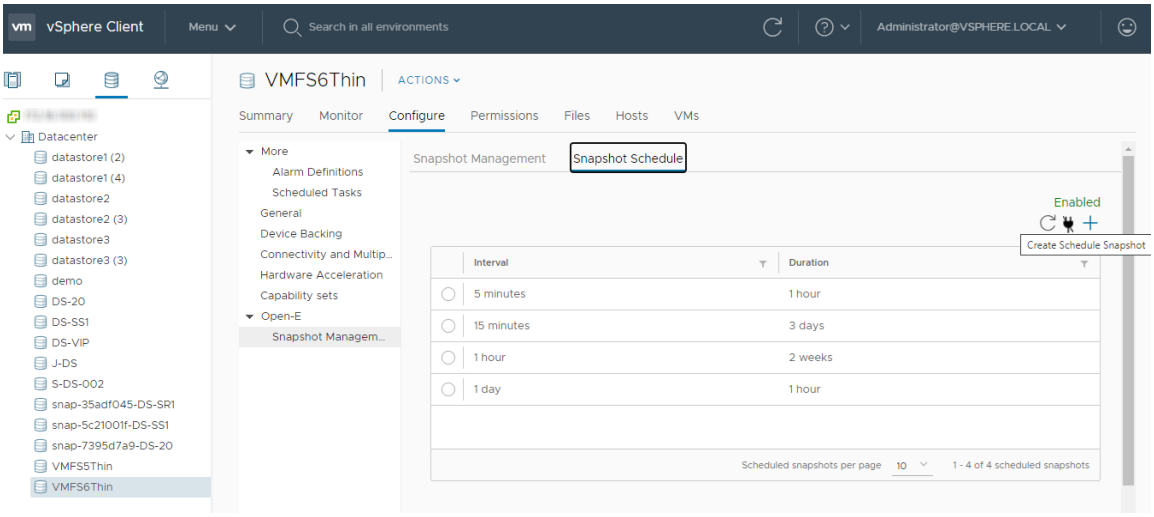
4.5 Scheduling snapshots

You can create a schedule for the specified interval to the specified duration for a snapshot. You can edit the snapshot schedule and also remove the schedule.

4.5.1 Adding snapshot schedule

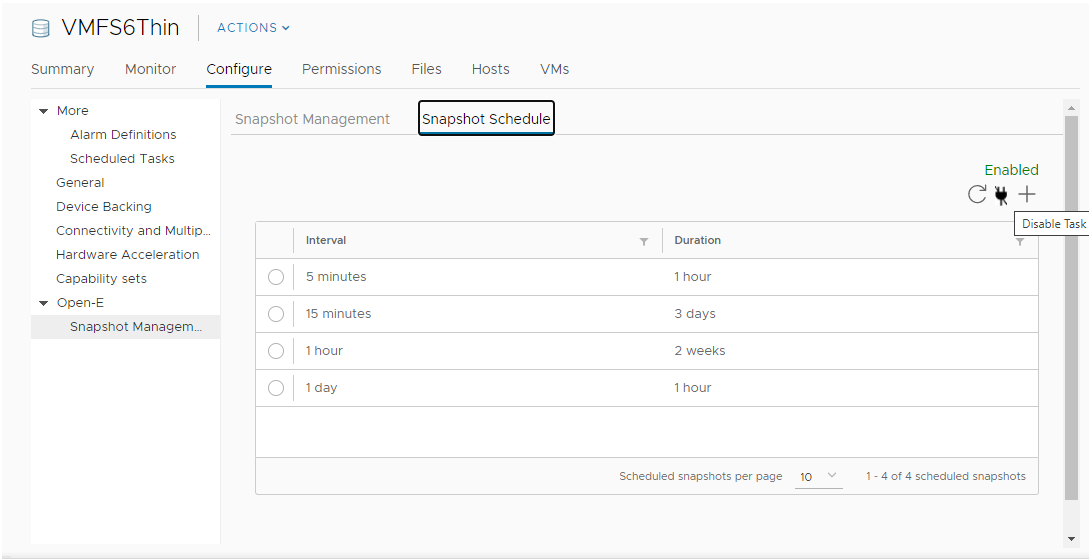
You can add snapshot schedules that are mapped to the selected datastore. Also, you can enable a snapshot schedule task and disable an enabled snapshot schedule.
To add and enable a snapshot schedule:

1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure** > **Open E** > **Snapshot Schedule**. The Snapshot grid lists all the snapshots on the selected datastore.

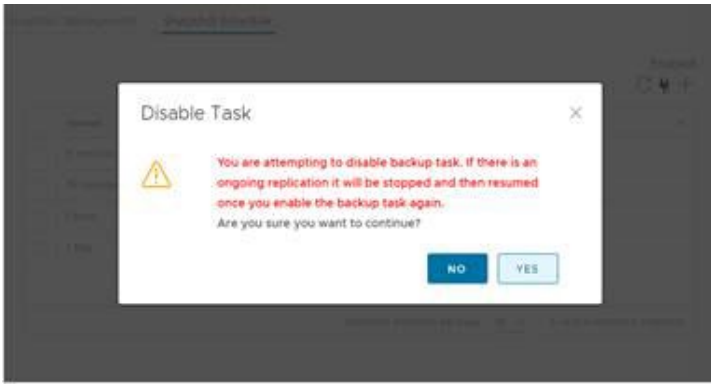


5. Click the **Create Schedule Snapshot** icon to create the selected snapshot schedule. The **Add New Retention Rule** screen is displayed.

6. Enter the schedule values in the respective fields and select the schedule duration from the drop-down list to add the snapshot schedule. You can only enter numeric values in the given fields in the range of 1 to 59.
7. Click **SUBMIT**. The snapshot is saved as a Zvol snapshot and it is listed.
8. To enable a snapshot schedule, select the schedule, and click **Enable Task**. If you want to disable an enabled schedule, click the **Disable Task** option. See a sample screenshot.



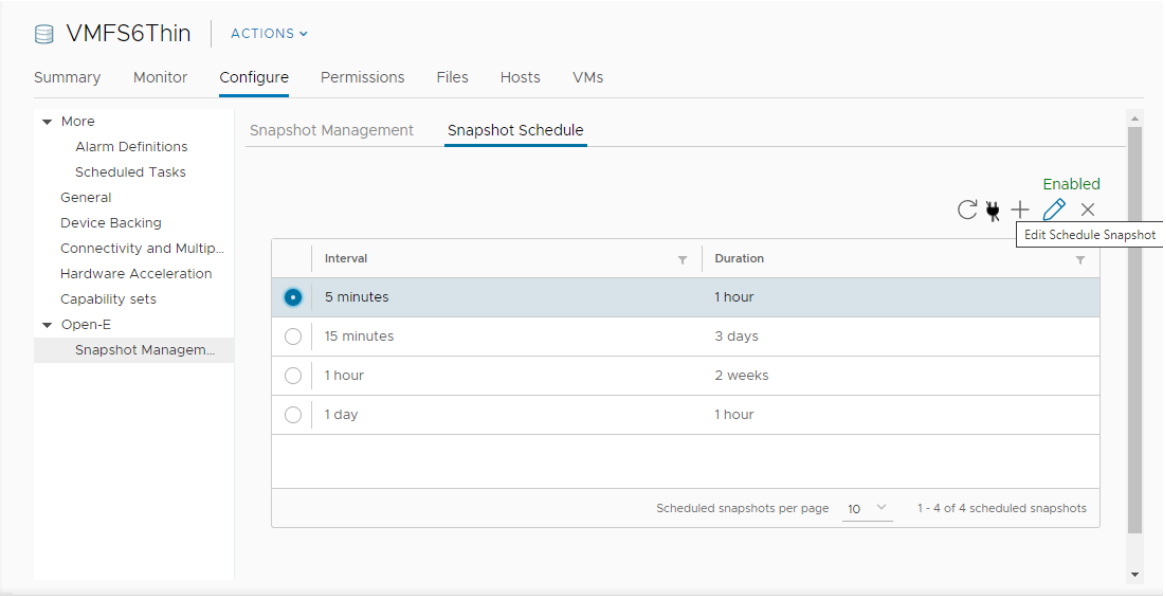
For the disable task operation, a confirmation is displayed. Click **YES** to disable the task.



4.5.2 Editing snapshot schedule

You can edit snapshot schedules that are mapped to the selected datastore.
To edit snapshot schedule:

1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure** > **Open E** > **Snapshot Schedule**. The Snapshot grid lists all the snapshots on the selected datastore.
5. Select the snapshot schedule which you want to edit.



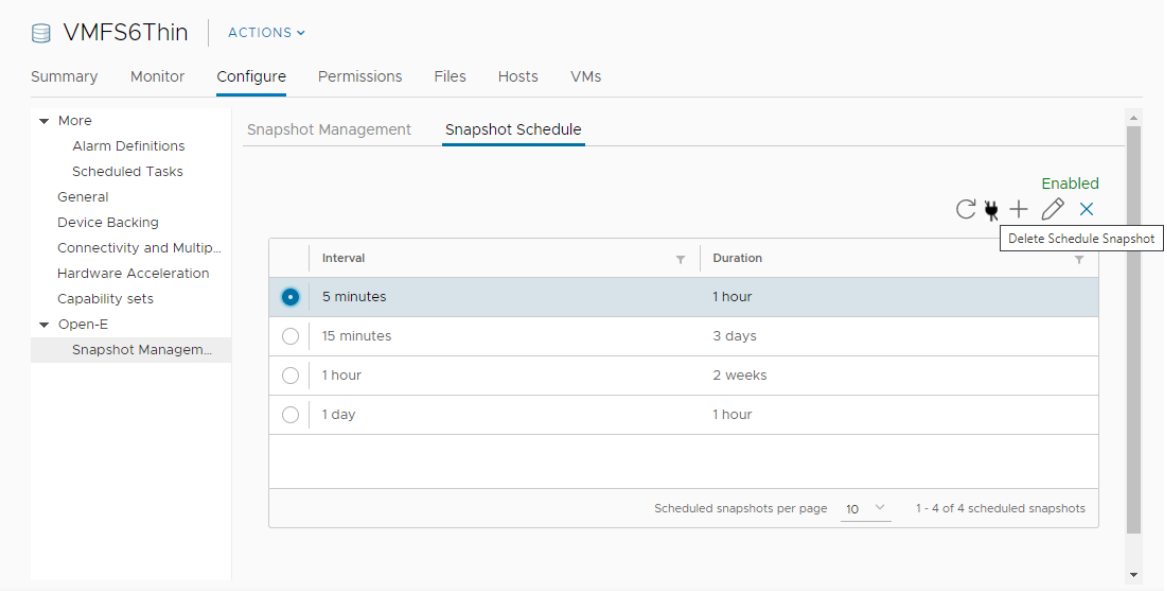
6. Click the **Edit Schedule Snapshot** icon to edit the selected snapshot schedule. The **Edit Retention Rule** screen is displayed.

7. Enter the schedule values in the respective fields and select the schedule duration from the drop-down list to edit the snapshot schedule. You can only enter numeric values in the range 1 to 59.
8. Click **SUBMIT**. The selected schedule is edited.

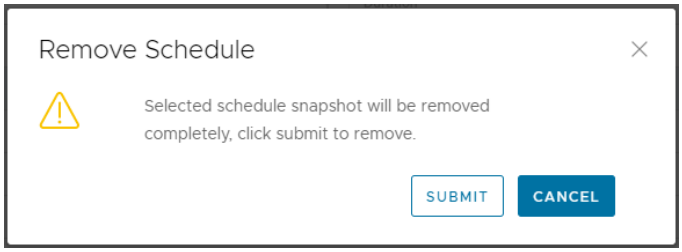
4.5.3 Removing snapshot schedule

You can remove snapshot schedules that are mapped to the selected datastore.
To remove snapshot schedule:

1. Log in to the vSphere web client.
2. Select a datastore in the left navigation pane in the VMware® vSphere Web Client UI.
3. Click the required datastore.
4. Click **Configure** > **Open E** > **Snapshot Schedule**. The Snapshot grid lists all the snapshots on the selected datastore.
5. Select the snapshot schedule you want to delete.



6. Click the **Delete Schedule Snapshot** icon to delete the selected snapshot schedule. The **Remove Schedule** screen is displayed.



7. Click **SUBMIT**. The selected schedule is removed.

5. Troubleshooting the Open-E JovianDSS vCenter Plugin

This chapter provides the details of viewing the logs troubleshoot to resolve problems with the Open-E JovianDSS vCenter plugin.

5.1 Viewing logs

This topic provides information about the plugin log and the location. For debugging any issues, view the log at the following location:

- Log path for Windows: C:\Program Files\Open-E-vCP\logs\Open-E-vCP.log
- Log path for Centos: /usr/local/Open-E-vCP/Open-E-vCP.log

5.2 Plugin removal issues

Issue

The Windows Server or CentOS machine on which the plugin is installed is no longer available.

Solution

Remove or unregister the plug-in from vCenter as follows:

1. Log in to vCenter's Managed Object Browser.
   https://<VCIP>/mob.
2. Click Content > Extension Manager.
3. Click Unregister Extension.
4. Enter the plugin name 'com.open-e.plugin' and click **Invoke Method**.
5. SSH to vCenter server and run below commands to restart vsphere-ui service:
   # cd /etc/vmware/vsphere-ui/vc-packages/vsphere-client-serenity
   # ls
   # rm -rf com.open-e.plugin
   # service-control --stop vsphere-ui
   # service-control --start vsphere-ui

5.3 SOAP Fault from server

Error

The client received SOAP Fault from the server:

A specified parameter was not correct: vmfsMajorVersion. Please see the server log to find more detail regarding the exact cause of the failure.

Solution

This issue appears when a datastore is created using VMFS6 on ESXi 6.0 but VMFS6 is not supported on ESXi 6.0.

Workaround is:

- Create Datastore using VMFS5 if ESXi 6.0 is added in vCenter where Open-E plugin is installed.