



# **Create a NetApp HCC role in vCenter**

## Element Software

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# Table of Contents

- Create a NetApp HCC role in vCenter ..... 1
  - Create a new NetApp HCC role ..... 1
  - NetApp ESXi host configurations ..... 3
  - Controller asset already exists on the management node ..... 5
  - Add an asset to the management node ..... 5
  - Find more information ..... 5

# Create a NetApp HCC role in vCenter

It is recommended that you create a NetApp HCC role in vCenter to manually add vCenter assets (controllers) to the management node post installation, or to modify existing controllers.

This NetApp HCC role limits your management node services view to NetApp-only assets.

## About this task

- To [create a new NetApp HCC role](#), you first set up a new user account in vCenter, create a NetApp HCC role, and then assign the user permissions.
- For NetApp ESXi host configurations, you should update the NDE-created user account to the new NetApp HCC role:
  - Use [this option](#) if your NetApp ESXi host does not exist inside a vCenter host cluster
  - Use [this option](#) if your NetApp ESXi host exists inside a vCenter host cluster
- You can [configure a controller asset](#) that already exists on the management node.
- Use the new NetApp HCC role to [add an asset](#) to the management node.

## Create a new NetApp HCC role

Set up a new user account in vCenter, create a NetApp HCC role, and then assign the user permissions.

### Set up a new user account in vCenter

Perform the following steps to set up a new user account in vCenter.

#### Steps

1. Log into the vSphere Web Client as `administrator@vsphere.local` or equivalent.
2. From the Menu, select **Administration**.
3. In the **Single Sign On** section, select **Users** and **Groups**.
4. In the **Domain** list, select `vsphere.local` or your LDAP domain.
5. Select **Add User**.
6. Complete the **Add User** form.

### Create a new NetApp HCC role in vCenter

Perform the following steps to create a new NetApp HCC role in vCenter.

#### Steps

1. Select **Edit Role**, and assign the required permissions.
2. In the left navigation pane, select **Global**.
3. Select **Diagnostics** and **Licenses**.
4. In the left navigation pane, select **Hosts**.
5. Select **Maintenance**, **Power**, **Storage partition configuration**, and **Firmware**.

6. Save as NetApp Role.

## Assign user permissions to vCenter

Perform the following steps to assign the user permissions to the new NetApp HCC role in vCenter.

### Steps

1. From the Menu, select **Hosts** and **Clusters**.
2. In the left navigation pane, select one of the following options:
  - The top level vCenter.
  - Your desired vCenter if you are in linked mode.



Using the NetApp Element Plug-in for vCenter Server to manage cluster resources from other vCenter Servers using [vCenter Linked Mode](#) is limited to local storage clusters only.

3. In the right navigation pane, select **Permissions**.
4. Select the **+** icon to add the new user.

Add the following details in the **Add permission** window:

- a. Select `vsphere.local` or your LDAP domain
- b. Use the search to find the new user that you created in [Set up a new user account in vCenter](#).
- c. Select NetApp Role.



Do **NOT** select **Propagate to children**.

## Add Permission | satyabra-vcenter01.mgmt.ict.openengla... X

User: vsphere.local

Q netapp

Role: NetApp Role

Propagate to children

CANCEL

OK

### Assign user permissions to a NetApp host cluster

Perform the following steps to assign the user permissions to a NetApp host cluster in vCenter.

#### Steps

1. In the left navigation pane, select the NetApp host cluster.
2. In the right navigation pane, select **Permissions**.
3. Select the **+** icon to add the new user.

Add the following details in the **Add permission** window:

- a. Select `vsphere.local` or your LDAP domain.
- b. Use the search to find the new HCC user that you created in [Set up a new user account in vCenter](#).
- c. Select `NetApp Role of Administrator`.
- d. Select **Propagate to children**.

### NetApp ESXi host configurations

For NetApp ESXi host configurations, you should update the NDE-created user account to the new NetApp HCC role.

#### NetApp ESXi host does not exist in a vCenter host cluster

If the NetApp ESXi host does not exist inside a vCenter host cluster, you can use the following procedure to assign the NetApp HCC role and user permissions in vCenter.

## Steps

1. From the Menu, select **Hosts** and **Clusters**.
2. In the left navigation pane, select the NetApp ESXi host.
3. In the right navigation pane, select **Permissions**.
4. Select the **+** icon to add the new user.

Add the following details in the **Add permission** window:

- a. Select `vsphere.local` or your LDAP domain.
  - b. Use the search to find the new user that you created in [Set up a new user account in vCenter](#).
  - c. Select `NetApp Role or Administrator`.
5. Select **Propagate to children**.

## NetApp ESXi host exists in a vCenter host cluster

If a NetApp ESXi host exists inside a vCenter host cluster with other vendor ESXi hosts, you can use the following procedure to assign the NetApp HCC role and user permissions in vCenter.

1. From the Menu, select **Hosts** and **Clusters**.
2. In the left navigation pane, expand the desired host cluster.
3. In the right navigation pane, select **Permissions**.
4. Select the **+** icon to add the new user.

Add the following details in the **Add permission** window:

- a. Select `vsphere.local` or your LDAP domain.
- b. Use the search to find the new user that you created in [Set up a new user account in vCenter](#).
- c. Select `NetApp Role`.



Do **NOT** select **Propagate to children**.

5. In the left navigation pane, select a NetApp ESXi host.
6. In the right navigation pane, select **Permissions**.
7. Select the **+** icon to add the new user.

Add the following details in the **Add permission** window:

- a. Select `vsphere.local` or your LDAP domain.
  - b. Use the search to find the new user that you created in [Set up a new user account in vCenter](#).
  - c. Select `NetApp Role or Administrator`.
  - d. Select **Propagate to children**.
8. Repeat for remaining NetApp ESXi hosts in the host cluster.

# Controller asset already exists on the management node

If a controller asset already exists on the management node, perform the following steps to configure the controller by using `PUT /assets /{asset_id} /controllers /{controller_id}`.

## Steps

1. Access the mnode service API UI on the management node:

```
https://[management node IP]/mnode
```

2. Select **Authorize** and enter the credentials to access the API calls.
3. Select `GET /assets` to get the parent ID.
4. Select `PUT /assets /{asset_id} /controllers /{controller_id}`.
  - a. Enter the credentials created in account setup in the request body.

## Add an asset to the management node

If you need to manually add a new asset post installation, use the new HCC user account that you created in [Set up a new user account in vCenter](#). For more information, see [Add a controller asset to the management node](#).

## Find more information

- [NetApp Element Plug-in for vCenter Server](#)
- [SolidFire and Element Resources page](#)

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