



# Administer

## ONTAP Select

NetApp

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# Administer

## Diagnostics and support

There are several related diagnostic and support tasks you can perform as part of administering ONTAP Select.

### Displaying the system settings

You can view the basic settings for the Deploy administration utility through the vCenter Plugin.

#### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **System** option and click **Settings**.
4. Update the system configuration as needed and click **Save**.

### Displaying event messages

The Deploy administration utility includes an event logging facility that provides information about the activity of the system. You can view the contents of the event log through the Deploy plug-in to debug any issues or when directed to do so by support.

#### *About this task*

You can filter the list of event messages based on several characteristics, including:

- Category
- Type
- Level
- Instance

#### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **Events** option and click **Deploy**.
4. Optionally, click Filtering and create a filter to limit the event messages that are displayed.

### Enabling AutoSupport

AutoSupport is the primary troubleshooting tool used by NetApp to support ONTAP Select. You can

enable or disable the AutoSupport feature as needed.

#### *About this task*

After deploying a new cluster, you should make sure AutoSupport is enabled. You should only disable AutoSupport when necessary. If you disable AutoSupport, data is still collected but not transmitted to NetApp.

#### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **AutoSupport** option and click **Configure**
4. Enable or disable AutoSupport as needed.

## Generating an AutoSupport package

The Deploy vCenter Plug-in includes the ability to generate an AutoSupport package. You should generate a package to debug issues or when directed to do so by support.

#### *About this task*

You can generate the following AutoSupport packages:

- Deploy logs  
Log files created by the ONTAP Select Deploy utility
- Troubleshooting  
Troubleshooting and debugging information about the hypervisor hosts and ONTAP Select nodes
- Performance  
Performance information about the hypervisor hosts and ONTAP Select nodes

#### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **AutoSupport** option and click **Generate**.
4. Select the type and provide a description for the package or provide a case number and then click **Generate AutoSupport**.
5. In the pane on the left, click **History** under **AutoSupport** and locate the package.

You can click **Refresh** as needed.

#### *After you finish*

You can download the AutoSupport package to your workstation using the native Deploy utility user interface. You cannot download the package using the Deploy vCenter plug-in.

# Confirming network connectivity

There are several aspects of the network that you can explore and display.

## Confirming network connectivity

You can test the network connectivity among two or more ONTAP Select nodes on the internal cluster network. You should typically run this test before a multi-node cluster is deployed to detect issues that might cause the operation to fail. You can also run the connectivity test after a cluster is deployed and online.

### *About this task*

Each time you start the test, a new process is created in the background and assigned a unique run identifier. Only one run can be active at a time.

The test is always run in quick mode which performs a basic nondisruptive test. A PING test is performed, along with a test of the network MTU size and the vSwitch.

### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **Network** option and click **Connectivity Checker**.
4. Click **Run New** to start the test.
5. Optionally, click **Filtering** and create a filter to limit the test details that are displayed.

## Viewing the status of the mediator service

Each ONTAP Select two-node cluster is monitored by the mediator service, which assists in managing the HA capability shared by the nodes. You can view the status of the mediator service for each of the two-node clusters defined in the Deploy administration utility.

### *About this task*

You can view the configuration of each mediator, including:

- Current status
- Two ONTAP Select nodes
- iSCSI target where the HA control information is stored

### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.
2. Click the **Administration** tab.
3. Expand the **Mediator** option and click **Status**.

4. Optionally, click **Filtering** and create a filter to customize your view of the two-node clusters monitored by the mediator service.

## ONTAP Select clusters

There are several related tasks you can perform to administer an ONTAP Select cluster.

### Moving an ONTAP Select cluster to the offline and online states

After you have created a cluster, you can change its status to offline or online as needed.

#### *Steps*

1. Click **ONTAP Select Clusters** in the **Global Inventory Lists** pane.
2. Right click the desired cluster to display the available actions.
3. Click **Take Offline** or **Bring Online** as appropriate and click **Yes** to confirm the request.

### Deleting an ONTAP Select cluster

You can delete an ONTAP Select cluster when it is no longer needed.

#### *Before you begin*

The cluster must be in the offline state.

#### *Steps*

1. Click **ONTAP Select Clusters** in the **Global Inventory Lists** pane.
2. Right click the desired cluster to display the available actions.
3. Click **Delete Cluster** and click **Yes** to confirm the request.

If the delete option is not available, then the cluster is not in an offline state.

## ONTAP Select licenses

There are several related tasks you can perform as part of administering the ONTAP Select licenses.

### Managing licenses

You can add, edit, and delete ONTAP Select capacity tier licenses as needed.

#### *Steps*

1. Click **ONTAP Select Deploy** in the **Global Inventory Lists** pane.

2. Click the **Administration** tab.
3. Expand the **Licenses** option and click either **Capacity Tier** or **Capacity Pool** to select the license type.

The current licenses and any issues are displayed.

4. Optionally, click **Filtering** and create a filter to limit the licenses that are displayed.
5. Perform the desired task:
  - a. To add a license, click **+ADD**, click **Upload License(s)**, and select a license file.
  - b. To delete an existing license, click the trash can icon to the right of the license.

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