



## **Get started**

### **ONTAP Select**

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# Get started

## Overview of the Deploy vCenter plug-in

The VMware vCenter plug-in for ONTAP Select Deploy is designed for ONTAP Select administrators working in the VMware environment. It provides an alternative to the native Deploy user interface.

### Packaged with Deploy

The Deploy vCenter plug-in is packaged with the Deploy administration utility. After using the Deploy user interface to install the plug-in to the vCenter server, you can access the plug-in through the vSphere web interface.

### Integration with VMware

For many businesses, VMware vCenter is a central platform for administering virtualized data center and cloud resources. Because the Deploy plug-in is tightly integrated with vCenter, administrators can quickly move between the ONTAP Select and vCenter domains to leverage the relationships among the various resources.

### Functionality provided by the Deploy vCenter plug-in

After installing the Deploy vCenter plug-in, there are two primary options available through vSphere in the **Global Inventory Lists** pane.

#### ONTAP Select Clusters

The ONTAP Select Clusters option is roughly equivalent to the **Clusters** tab in the native Deploy web user interface. It provides the functionality described in the following table.

| You perform this operation ...                        | By doing this ...   |
|---|---|
| Deploy an ONTAP Select cluster                        | Click New ONTAP Select.   |
| View cluster details                                  | Select a cluster, click Summary, and then click Details.  |
| View cluster event messages                           | Select a cluster, click Summary, and then click Events.   |
| Move a cluster online or offline, or delete a cluster | Select a cluster, click Actions, and then click the desired action.   |
| Launch System Manager                                 | Select a cluster, click Summary, click Details, and then click Launch System Manager.                                     |
| View the ESXi hosts used by a cluster                 | Select a cluster, click More Objects, and then click Hosts. Select a host for more details and further actions.           |
| View the ONTAP VMs used by a cluster                  | Select a cluster, click More Objects, and then click ONTAP VMs. Select a VM for more details and further actions.         |
| View the datastores used by a cluster                 | Select a cluster, click More Objects, and then click Datastores. Select a datastore for more details and further actions. |

| You perform this operation ...      | By doing this ...   |
|-------------------------------------|---|
| View the networks used by a cluster | Select a cluster, click More Objects, and then click Networks. Select a network for more details and further actions. |

## ONTAP Select Deploy

The ONTAP Select Deploy option is roughly equivalent to the **Hypervisor Hosts** and **Administration** tabs in the native Deploy web user interface. It provides functionality through three tabs at the top of the page as described in the following table.

| Tab            | Description   |
|----------------|---|
| Summary        | Describes the characteristics of the Deploy instance, including the host name and IP address.   |
| Host           | Displays information about the ESXi hosts registered with ONTAP Select Deploy. You can add or remove hosts.   |
| Administration | Allows you to perform administrative tasks through the Deploy utility. This functionality is equivalent to the ONTAP Select Deploy native user interface, except that the <b>Credentials</b> and <b>Plugins</b> options are not available with the plug-in. |

## Compare the vCenter plug-in to the native Deploy user interface

The functionality provided with the vCenter plug-in through vSphere is equivalent to the native Deploy user interface. However, there are a few features that are not provided with the plug-in and are only available with the Deploy user interface.

### Manage the vCenter plug-in

You cannot install, update, remove, or verify the vCenter plug-in using the vCenter plug-in. You must perform these management tasks through the native Deploy user interface.

### Manage vCenter credentials

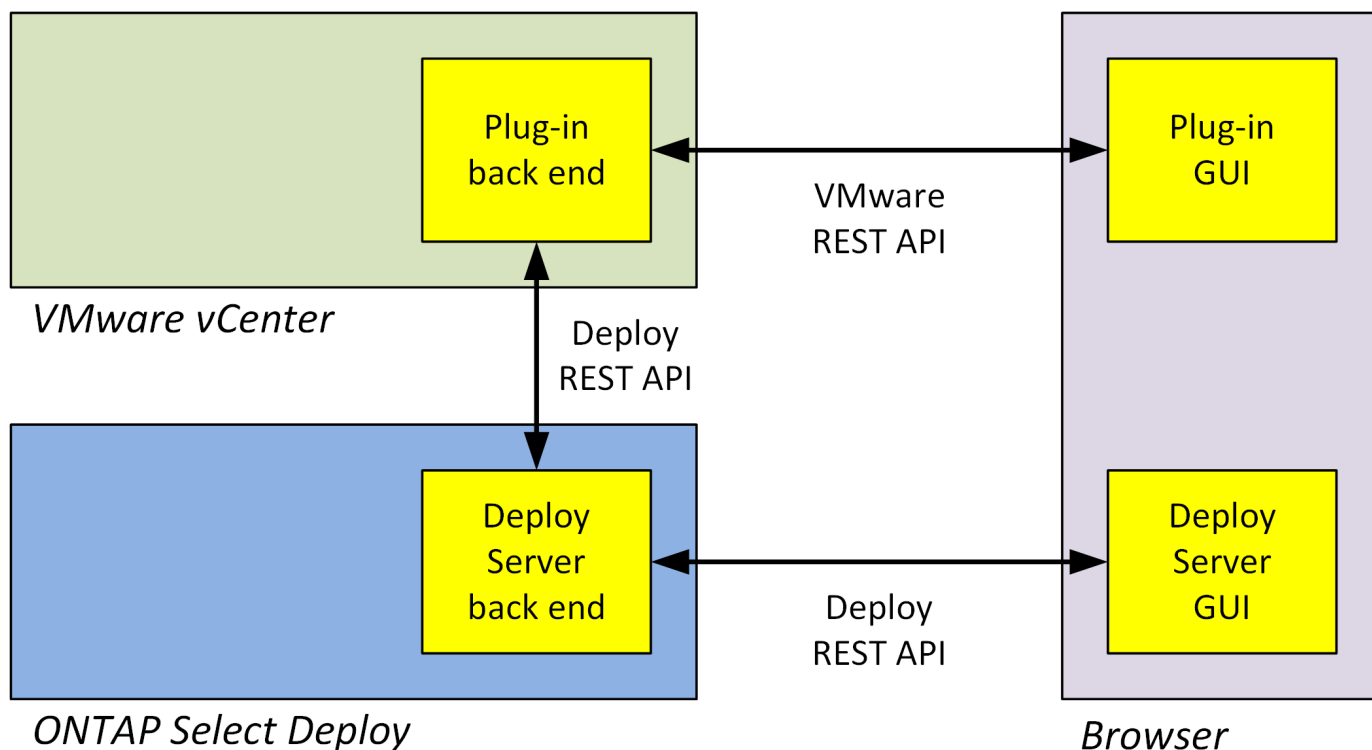
Before installing the vCenter plug-in, you must add the necessary vCenter credentials to Deploy using the native Deploy user interface.

### ONTAP Select clusters must be controlled by the same vCenter server

You can only deploy and support the ONTAP Select clusters managed by the single vCenter server where the plug-in is installed. You cannot use the plug-in to access ONTAP Select clusters managed by other vCenter servers or clusters running on standalone ESXi or KVM hosts.

## Plug-in architecture

The Deploy vCenter plug-in is tightly integrated with ONTAP Select Deploy and VMware vCenter. There are two paths to access the Deploy administration utility through the plug-in using the vSphere interface.



## Plan to use the Deploy vCenter plug-in

Before installing and using the Deploy vCenter plug-in, you should prepare to assure success.

### Software requirements

There are several software requirements you should consider as described in the following table.

| Software                      | Supported version                            |
|-------------------------------|--|
| ONTAP Select Deploy utility   | 2.11.2 or later                              |
| VMware vSphere                | 6.5 GA or later                              |
| VMware vSphere user interface | HTML5 (Flash-based version is not supported) |
| ESXi                          | 6.5U2 or later                               |

### Cluster size restrictions

There are several restrictions related to the cluster size that you should consider as described in the following table.

| Item                         | Maximum supported |
|------------------------------|-------------------|
| ONTAP Select Deploy clusters | 100               |
| Nodes (virtual machines)     | 1000              |
| Hosts                        | 800               |

## RBAC privileges for the vCenter user accounts

Several different vCenter privileges are required to manage and access the plug-in. These privileges correspond to the actions in the following three categories:

- Managing the plug-in through Deploy:
  - Install
  - Upgrade
  - Remove
- Accessing the plug-in through the vSphere client
- Validating user access to the plug-in through vSphere

See [Preparing the vCenter server accounts](#) for more information.

## AutoSupport limitations

The Deploy vCenter plug-in provides a minimum amount of usage information in the Deploy administration utility (including the plug-in URL). However, AutoSupport does include a table of the installed plug-ins that can be displayed through the AutoSupport viewer.



You cannot download an AutoSupport package through the vSphere web client using the Deploy plug-in. You must use the native Deploy interface to download AutoSupport packages.

## Additional restrictions

There are several additional restrictions that you should consider before installing and using the Deploy vCenter plug-in:

- Each instance of the vCenter plug-in supports only one vCenter server.
- vCenter servers that are configured in linked mode are not supported.
- The Deploy plug-in GUI in vSphere only displays clusters with ONTAP Select virtual machines managed by the same vCenter server. ONTAP Select clusters running on standalone ESXi and KVM hosts are not included.

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