Manage data in Cloud Volumes with NetApp Fabric Orchestrator

HCI

NetApp
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Manage data with Cloud Volumes on NetApp HCI overview

Using Fabric Orchestrator, you can create and manage cloud volumes anywhere using a single interface, whether you need them to reside on a private cloud or many public clouds.

Fabric Orchestrator is in Preview mode. When you enable Cloud Volumes on NetApp HCI, you automatically have access to the Preview environment.

Prerequisites

Before you use Cloud Volumes on NetApp HCI, you must enable the service using the NetApp Hybrid Cloud Control.
See information on deploying cloud services on NetApp HCI.

Workflow overview

To create and manage cloud volumes using Fabric Orchestrator, do the following:
* Access Fabric Orchestrator on NetApp Cloud Central.
* Create Cloud Volumes on NetApp HCI using Fabric Orchestrator.

Find more information

- NetApp Cloud Central
- NetApp Cloud Documentation

What happens when you enable Cloud Volumes on NetApp HCI?

When you enable Cloud Volumes on NetApp HCI using Hybrid Cloud Control, several events occur in NetApp Fabric Orchestrator, the interface you use to create and manage cloud volumes.

- NetApp HCI initiates an API call that creates a new organization (workspace) in Fabric Orchestrator. The organization is the same organization used in NetApp Kubernetes Service.

Cloud Volumes is a Kubernetes application that runs in the NetApp Kubernetes Service service cluster.

- The Cloud Central account used during installation in NetApp Hybrid Cloud Control becomes the owner assigned to the Fabric Orchestrator organization.
- The region in NetApp Kubernetes Service becomes the same region in the Fabric Orchestrator organization.
- Within the datacenter in vCenter, a new folder called "NetApp-HCI-CloudVolumeFoundation" is created. This folder contains the cluster and deployment VMs.
- Cloud Volumes installs the port groups required in vCenter. The following three networks are created:
  - NetApp-HCI-CVF-Cluster
  - NetApp-HCI-CVF-Mgmt
  - NetApp-HCI-CVF-Storage
- Cloud Volumes creates the following datastores, which should not be modified:
  - NetApp-HCI-CVF-Deploy-DS
  - NetApp-HCI-CVF-Cluster-DS-01
  - NetApp-HCI-CVF-Cluster-DS-02

Find more information

- NetApp Cloud Central
- NetApp Cloud Documentation

Access NetApp Fabric Orchestrator

You can access NetApp Fabric Orchestrator directly with its own address or by selecting the product option from the Cloud Central product list.

Steps

1. Go to the NetApp Fabric Orchestrator Login page.
2. Enter your Cloud Central login credentials and click **Login**.

   If you do not see any systems listed, make sure that the NetApp HCI administrator is added to your NetApp Cloud Central account.

3. If you do not have a Cloud Central account, on the Cloud Central Login page, click **Sign Up**.

   Using Cloud Central, you can set up accounts either as individual accounts or as Federated

accounts:

a. You can make a new account with name, email, and password and then you will be logged in. This is the simplest type of account.

b. If you are part of a Cloud Central Federated organization, you enter your email and are then routed to the organization login.

4. From other Cloud Central products, select **Products** > **NetApp Fabric Orchestrator**.

Find more information

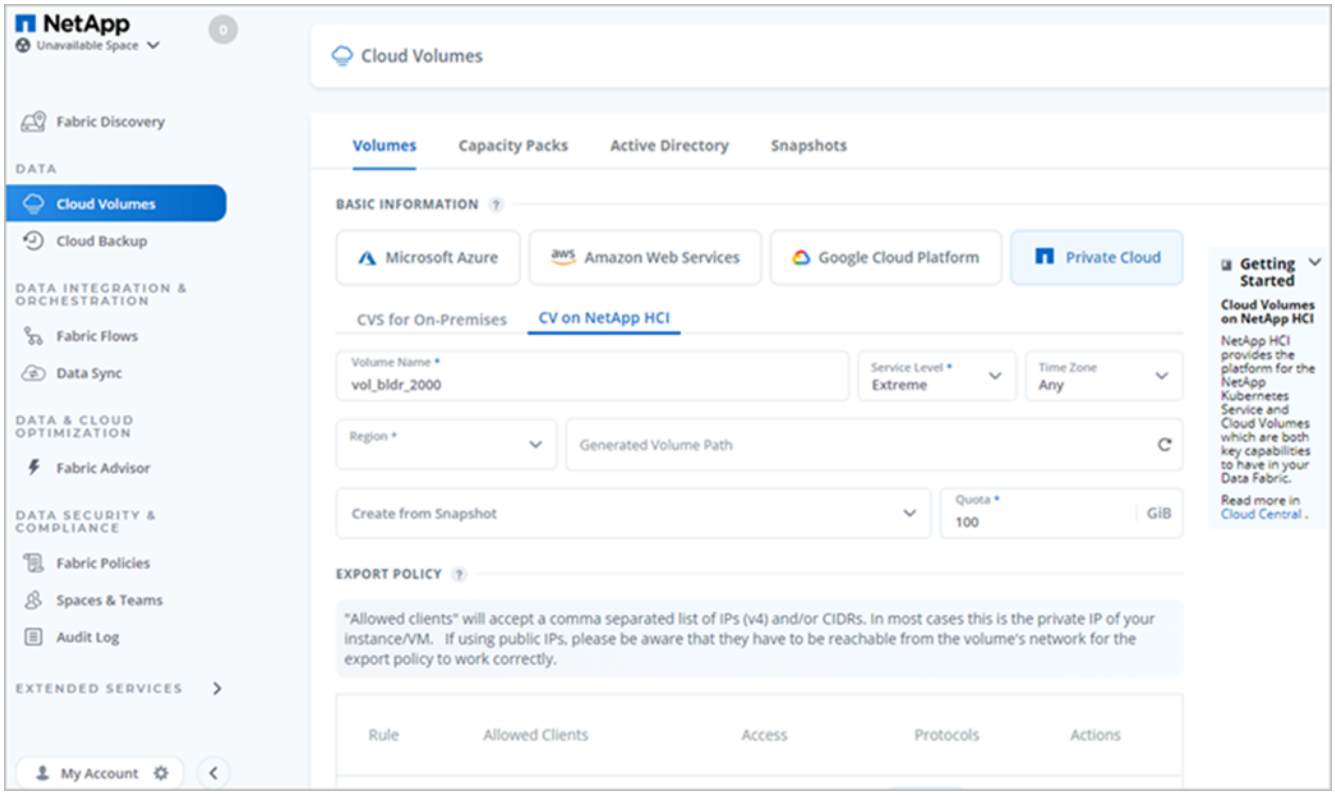
- NetApp Cloud Central
- NetApp Cloud Documentation

Create cloud volumes with NetApp Fabric Orchestrator

You can create cloud volumes on the Kubernetes cluster by using another cloud service, the NetApp Fabric Orchestrator.

Steps

1. From NetApp Cloud Central, select **Products** > **NetApp Fabric Orchestrator**.
2. Click **Create Cloud Volumes**.



3. On the Create Cloud volumes page, enter or select the following:

a. Choose **NetApp Private Cloud** as the provider.
b. On the NetApp HCI tab, select the cloud volume.
c. Select the service level and region.
d. Enter any tags or labels.
e. Edit the export policy and protection policy.

4. Click **Create Cloud Volumes**.

Find more information

- NetApp Cloud Central
- NetApp Cloud Documentation