Backing up data to Azure Blob storage

Cloud Manager

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Backing up data to Azure Blob storage

Complete a few steps to get started backing up data from Cloud Volumes ONTAP to Azure Blob storage.

Quick start

Get started quickly by following these steps or scroll down to the remaining sections for full details.

Verify support for your configuration

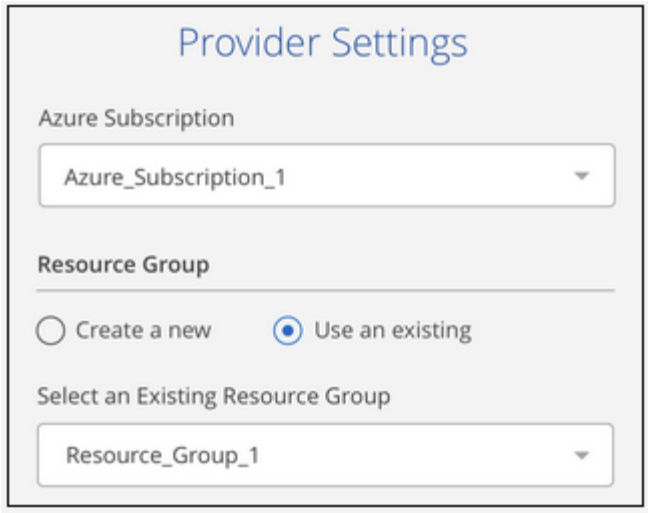
- You're running Cloud Volumes ONTAP 9.7 or later in Azure.
- You have a valid cloud provider subscription for the storage space where your backups will be located.
- You have subscribed to the Cloud Manager Marketplace Backup offering, or you have purchased and activated a Cloud Backup BYOL license from NetApp.

Enable Cloud Backup on your new or existing system

- New systems: Cloud Backup is enabled by default in the working environment wizard. Be sure to keep the option enabled.
- Existing systems: Select the working environment and click **Activate** next to the Cloud Backup service in the right-panel, and then follow the setup wizard.

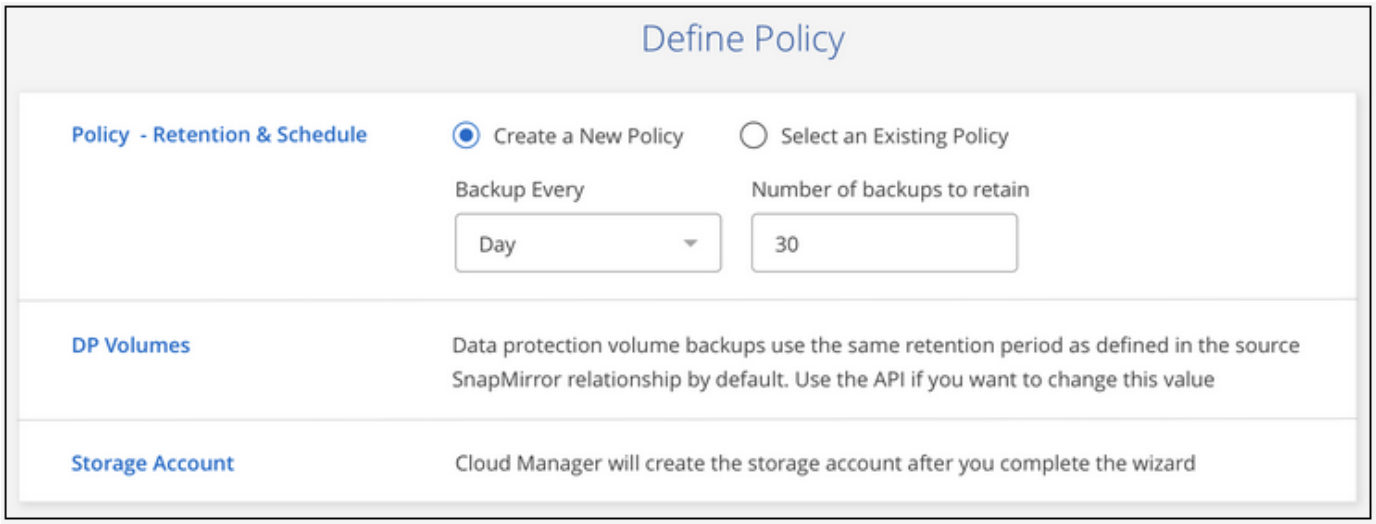
Enter the provider details

Select the provider subscription and choose whether you want to create a new resource group or use an already existing resource group.



Define the backup policy

The default policy backs up volumes every day and retains the most recent 30 backup copies of each volume. Change to weekly or monthly backups, or select one of the system-defined policies that provide more options.



Select the volumes that you want to back up

Identify which volumes you want to back up in the Select Volumes page.

Restore your data, as needed

Choose to restore an entire backup to a new volume, or to restore individual files from the backup to an existing volume. You can restore data to a Cloud Volumes ONTAP system in Azure, or to an on-premises ONTAP system.

See Restoring volume data from backup files for details.

Requirements

Read the following requirements to make sure that you have a supported configuration before you start backing up volumes to Azure Blob storage.

Supported ONTAP versions

Cloud Volumes ONTAP 9.7 and later.

Supported Azure regions

Cloud Backup is supported in all Azure regions where Cloud Volumes ONTAP is supported.

License requirements

For Cloud Backup PAYGO licensing, a subscription through the Azure Marketplace is required before you enable Cloud Backup. Billing for Cloud Backup is done through this subscription. You can subscribe from the Details & Credentials page of the working environment wizard.

For Cloud Backup BYOL licensing, you need the serial number from NetApp that enables you to use the service for the duration and capacity of the license. See Adding and updating your Backup BYOL license.

And you need to have a Microsoft Azure subscription for the storage space where your backups will be located.

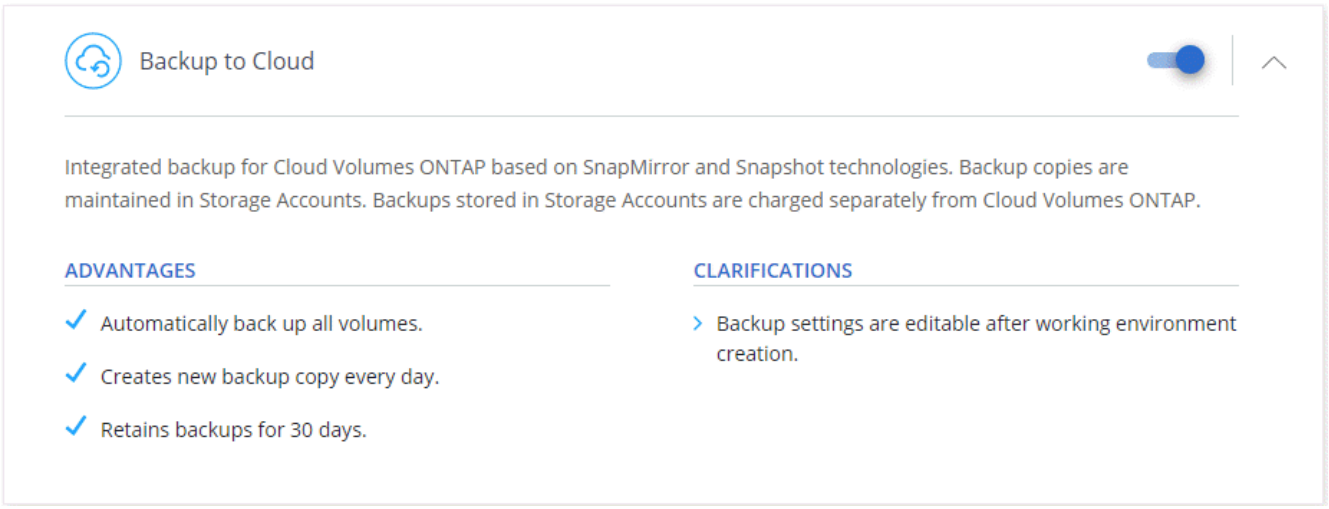
Enabling Cloud Backup on a new system

Cloud Backup is enabled by default in the working environment wizard. Be sure to keep the option enabled.

If you want to pick the name of the resource group, **disable** Cloud Backup when deploying Cloud Volumes ONTAP. Follow the steps for enabling Cloud Backup on an existing system to enable Cloud Backup and choose the resource group.

Steps

1. Click **Create Cloud Volumes ONTAP**.
2. Select Microsoft Azure as the cloud provider and then choose a single node or HA system.
3. Fill out the Details & Credentials page and be sure that an Azure Marketplace subscription is in place.
4. On the Services page, leave the service enabled and click **Continue**.



5. Complete the pages in the wizard to deploy the system.

Result

Cloud Backup is enabled on the system and backs up volumes every day and retains the most recent 30 backup copies.

What's next?

You can start and stop backups for volumes or change the backup schedule and you can restore entire volumes or individual files from a backup file.

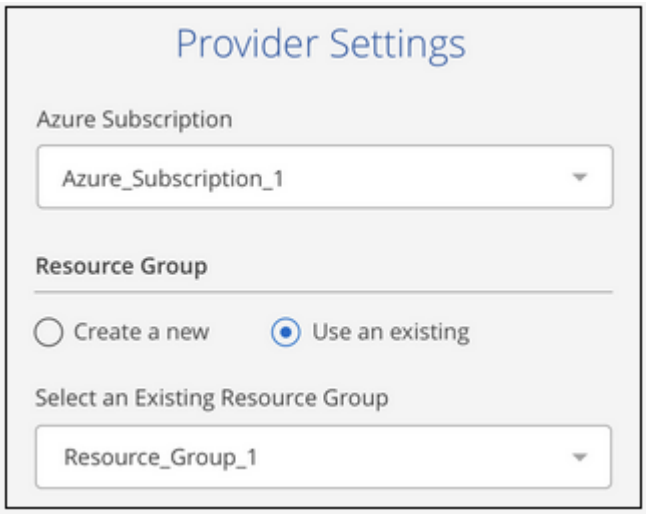
Enabling Cloud Backup on an existing system

Enable Cloud Backup at any time directly from the working environment.

Steps

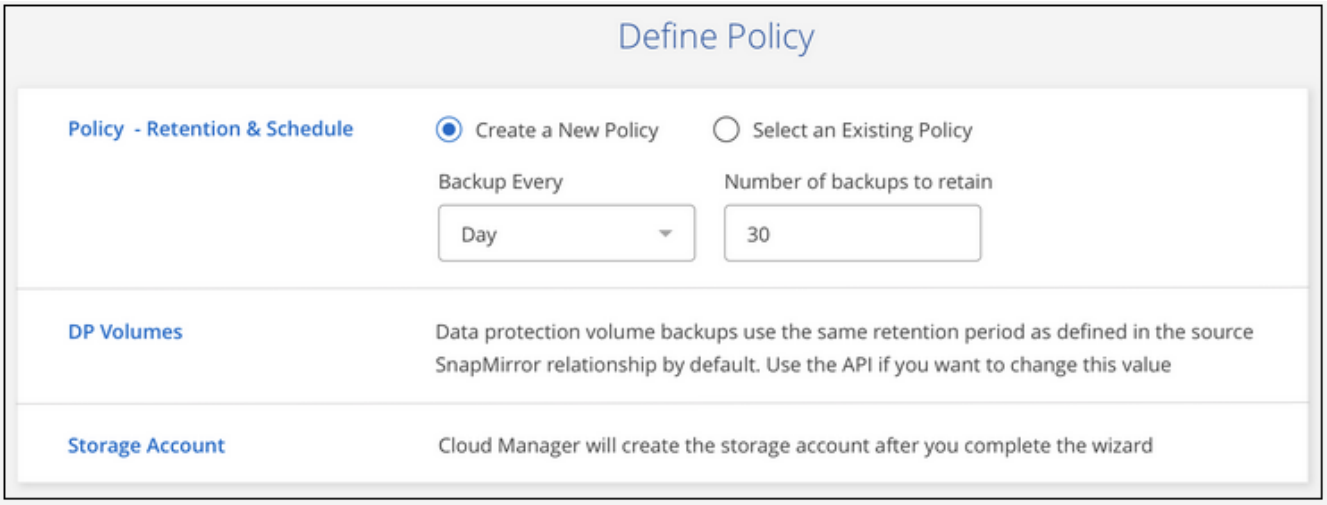
1. Select the working environment and click **Activate** next to the Cloud Backup service in the right-panel.

2. Select the provider details:
   a. The Azure subscription used to store the backups.
   b. The resource group - you can create a new resource group or select and existing resource group.
   c. And then click **Continue**.



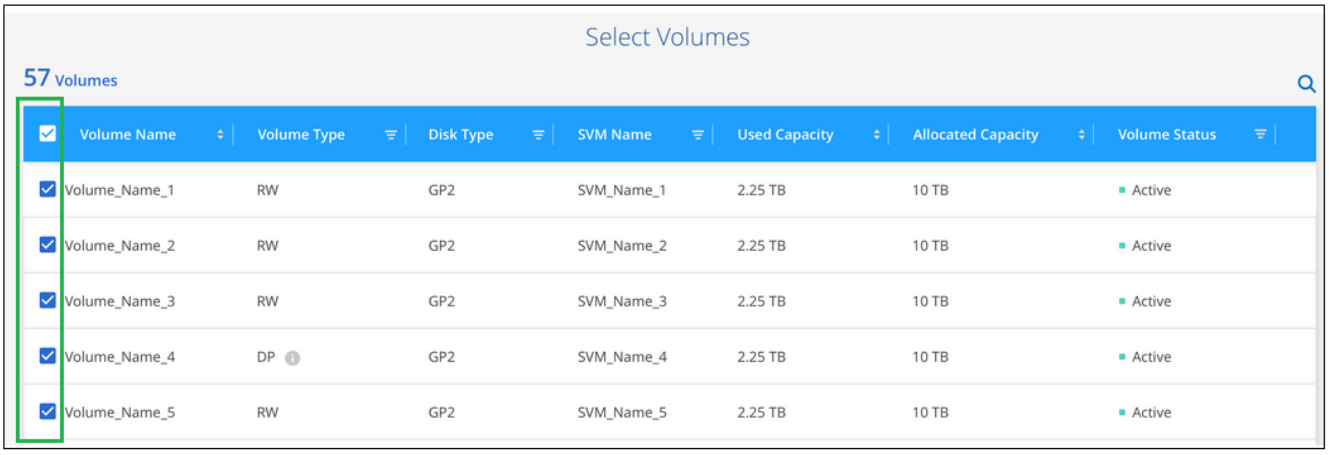
   Note that you cannot change the subscription or the resource group after the services has started.

3. In the *Define Policy* page, select the backup schedule and retention value and click **Continue**.



See the list of existing policies.

4. Select the volumes that you want to back up and click **Activate**.



   - To back up all volumes, check the box in the title row (Volume Name).
   - To back up individual volumes, check the box for each volume (Volume_1).

Result

Cloud Backup starts taking the initial backups of each selected volume.

What's next?

You can start and stop backups for volumes or change the backup schedule and you can restore entire volumes or individual files from a backup file.

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