



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.

1 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 Backup to Cloud BYOL license from NetApp.

2 Enable Backup to Cloud on your new or existing system

- New systems: Backup to Cloud 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 Backup to Cloud service in the right-panel, and then follow the setup wizard.



3 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.

Provider Settings

Azure Subscription

Azure_Subscription_1 ▼

Resource Group

☐ Create a new ☒ Use an existing

Select an Existing Resource Group

Resource_Group_1 ▼

4

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.

Define Policy

Policy - Retention & Schedule

☒ Create a New Policy ☐ Select an Existing Policy

Backup Every: Day ▼

Number of backups to retain: 30

DP Volumes

Data protection volume backups use the same retention period as defined in the source SnapMirror relationship by default. Use the API if you want to change this value

Storage Account

Cloud Manager will create the storage account after you complete the wizard

5

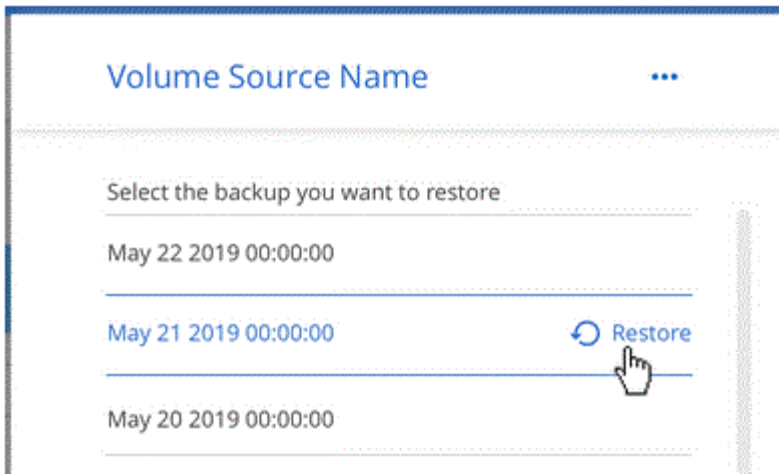
Select the volumes that you want to back up

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

6

Restore your data, as needed

From the Backup List, select a volume, select a backup, and then restore data from the backup to a new volume.



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

Backup to Cloud is supported in all Azure regions [where Cloud Volumes ONTAP is supported](#).

License requirements

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

For Backup to Cloud 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 Backup to Cloud on a new system

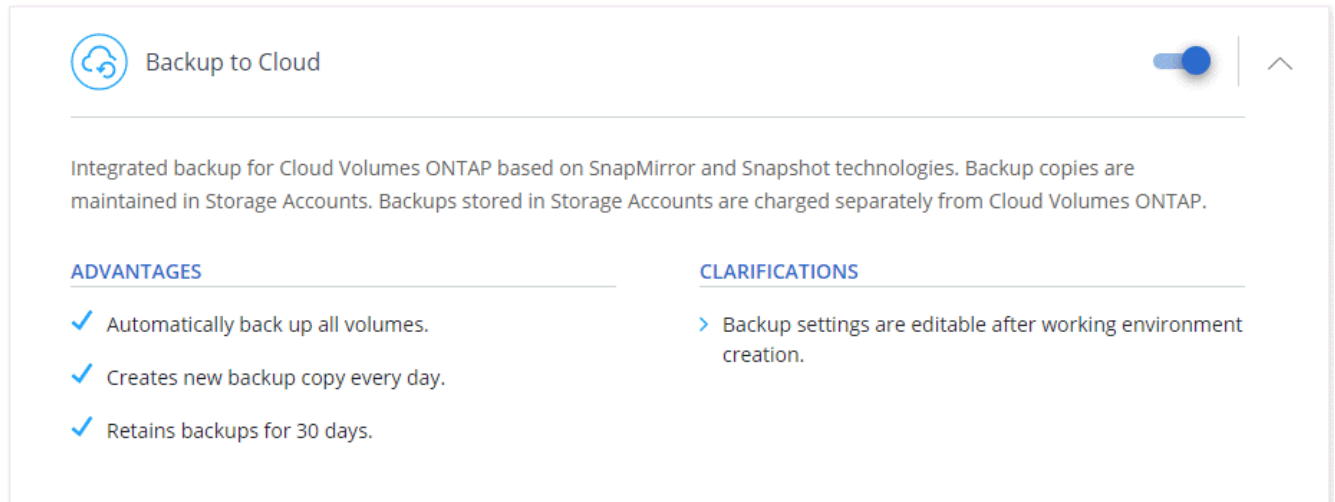
Backup to Cloud is enabled by default in the working environment wizard. Be sure to keep the option enabled.



If you want to pick the name of the resource group, **disable** Backup to Cloud when deploying Cloud Volumes ONTAP. Follow the steps for [enabling backup to cloud on an existing system](#) to enable Backup to Cloud 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

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

What's next?

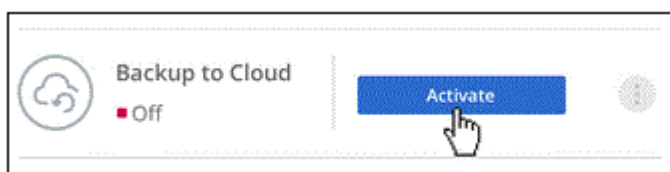
You can [start and stop backups for volumes or change the backup schedule](#) and you can [restore entire volumes or individual files from a backup file](#).

Enabling Backup to Cloud on an existing system

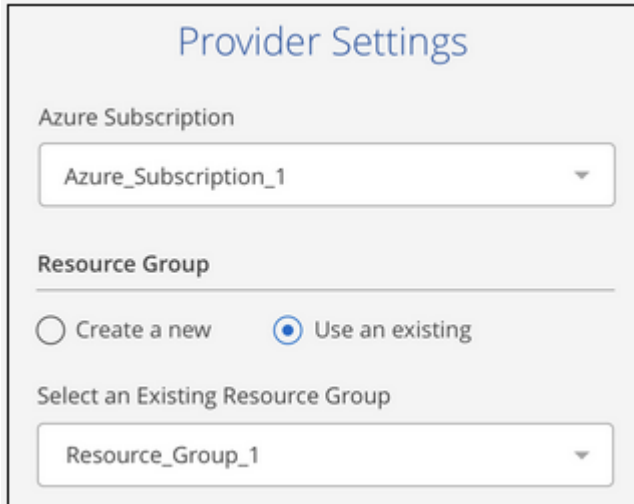
Enable Backup to Cloud at any time directly from the working environment.

Steps

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



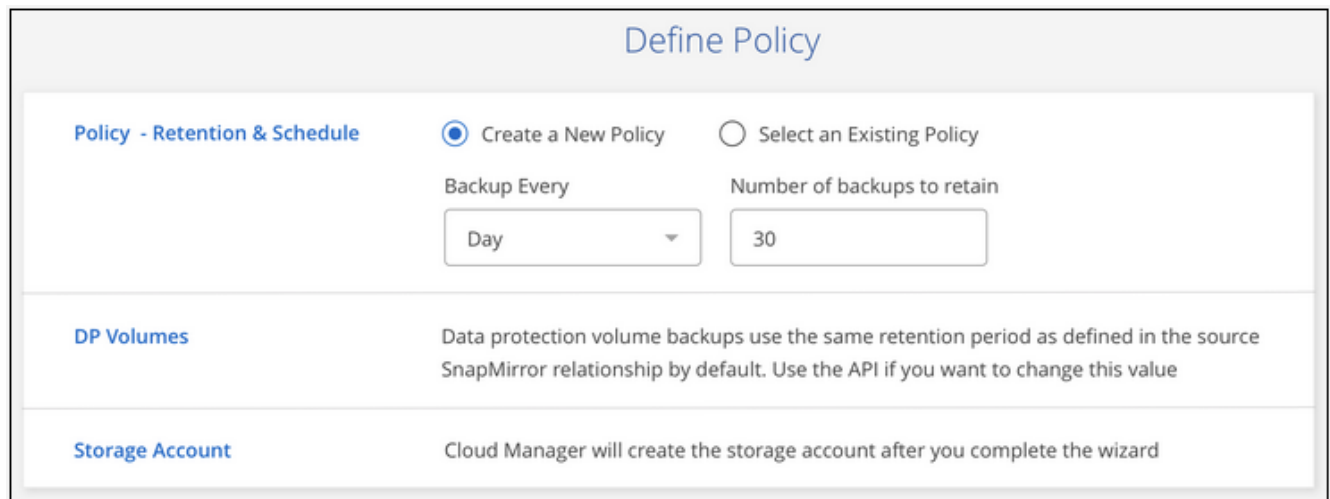
2. Select the provider details:
 - a. The Azure subscription used to store the backups.
 - b. The resource group - you can create a new resource group or select an existing resource group.
 - c. And then click **Continue**.



The screenshot shows the 'Provider Settings' form. It has a title 'Provider Settings' in blue. Below it, there is a section 'Azure Subscription' with a dropdown menu showing 'Azure_Subscription_1'. Below that is a section 'Resource Group' with two radio buttons: 'Create a new' (unselected) and 'Use an existing' (selected). Below the radio buttons is a section 'Select an Existing Resource Group' with a dropdown menu showing 'Resource_Group_1'.

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**.



The screenshot shows the 'Define Policy' form. It has a title 'Define Policy' in blue. Below it, there is a section 'Policy - Retention & Schedule' with two radio buttons: 'Create a New Policy' (selected) and 'Select an Existing Policy' (unselected). Below the radio buttons, there are two input fields: 'Backup Every' with a dropdown menu showing 'Day' and 'Number of backups to retain' with a text input field showing '30'. Below these fields, there is a section 'DP Volumes' with a text description: 'Data protection volume backups use the same retention period as defined in the source SnapMirror relationship by default. Use the API if you want to change this value'. Below that is a section 'Storage Account' with a text description: 'Cloud Manager will create the storage account after you complete the wizard'.

See [the list of existing policies](#).

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

Select Volumes								
57 Volumes								
<input checked="" type="checkbox"/>	Volume Name	Volume Type	Disk Type	SVM Name	Used Capacity	Allocated Capacity	Volume Status	
<input checked="" type="checkbox"/>	Volume_Name_1	RW	GP2	SVM_Name_1	2.25 TB	10 TB	Active	
<input checked="" type="checkbox"/>	Volume_Name_2	RW	GP2	SVM_Name_2	2.25 TB	10 TB	Active	
<input checked="" type="checkbox"/>	Volume_Name_3	RW	GP2	SVM_Name_3	2.25 TB	10 TB	Active	
<input checked="" type="checkbox"/>	Volume_Name_4	DP ⓘ	GP2	SVM_Name_4	2.25 TB	10 TB	Active	
<input checked="" type="checkbox"/>	Volume_Name_5	RW	GP2	SVM_Name_5	2.25 TB	10 TB	Active	

- 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

Backup to Cloud 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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