



Backing up data to Amazon S3

Cloud Manager

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Backing up data to Amazon S3

Complete a few steps to get started backing up data from Cloud Volumes ONTAP to Amazon S3.

Quick start

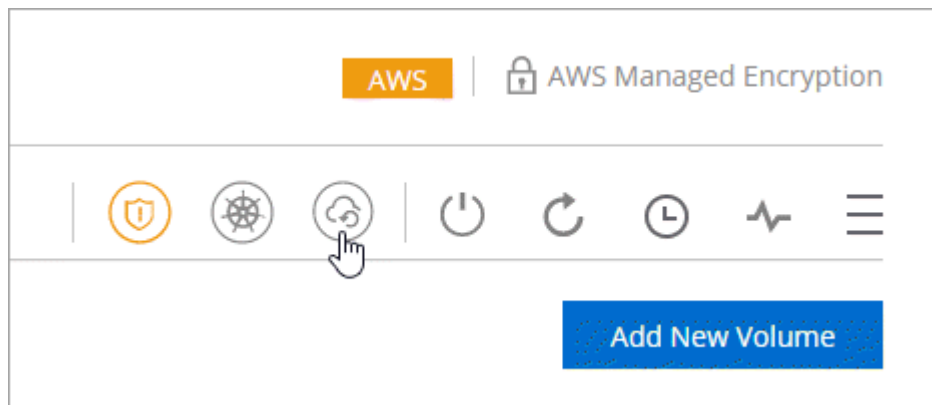
Get started quickly by following these steps or scroll down to the remaining sections for full details.

1 Verify support for your configuration

- You're running Cloud Volumes ONTAP 9.6 or later in AWS.
- You have subscribed to the new [Cloud Manager Marketplace offering](#).
- The IAM role that provides Cloud Manager with permissions includes S3 permissions from the latest [Cloud Manager policy](#).

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: Open the working environment, click the backup settings icon and enable backups.



3 If needed, modify 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. You can also change the number of backup copies to retain.



Backup to Cloud Settings

Backup Working Environment

☒ Automatically back up all volumes

Policy - Retention & Schedule

☒ Create New Policy ☐ Use Existing Policy

Backup Every

Day

Day

Week

Month

Number of backups to retain

30

All backups are stored in the S3 bucket named "ne

8a5d-576fff4...

Save

Cancel

4

Restore your data, as needed

At the top of Cloud Manager, click **Backup**, select a volume, select a backup, and then restore data from the backup to a new volume.

vol1

Select the backup you want to restore

Feb 7, 2020 02:56:10 PM UTC

Requirements

Read the following requirements to make sure that you have a supported configuration before you start backing up volumes to S3.

Supported ONTAP versions

Cloud Volumes ONTAP 9.6 and later.

Supported AWS regions

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

AWS subscription requirement

Starting with the 3.7.3 release, a new Cloud Manager subscription is available in the AWS Marketplace. This subscription enables deployments of Cloud Volumes ONTAP 9.6 and later (PAYGO) and Backup to Cloud. You need to [subscribe to this new Cloud Manager subscription](#) before you enable Backup to Cloud. Billing for Backup to Cloud is done through this subscription.

AWS permissions required

The IAM role that provides Cloud Manager with permissions must include S3 permissions from the latest [Cloud Manager policy](#).

Here are the specific permissions from the policy:

```
{
  "Sid": "backupPolicy",
  "Effect": "Allow",
  "Action": [
    "s3:DeleteBucket",
    "s3:GetLifecycleConfiguration",
    "s3:PutLifecycleConfiguration",
    "s3:PutBucketTagging",
    "s3:ListBucketVersions",
    "s3:GetObject",
    "s3:ListBucket",
    "s3:ListAllMyBuckets",
    "s3:GetBucketTagging",
    "s3:GetBucketLocation",
    "s3:GetBucketPolicyStatus",
    "s3:GetBucketPublicAccessBlock",
    "s3:GetBucketAcl",
    "s3:GetBucketPolicy",
    "s3:PutBucketPublicAccessBlock"
  ],
  "Resource": [
    "arn:aws:s3:::netapp-backup-*"
  ]
},
```

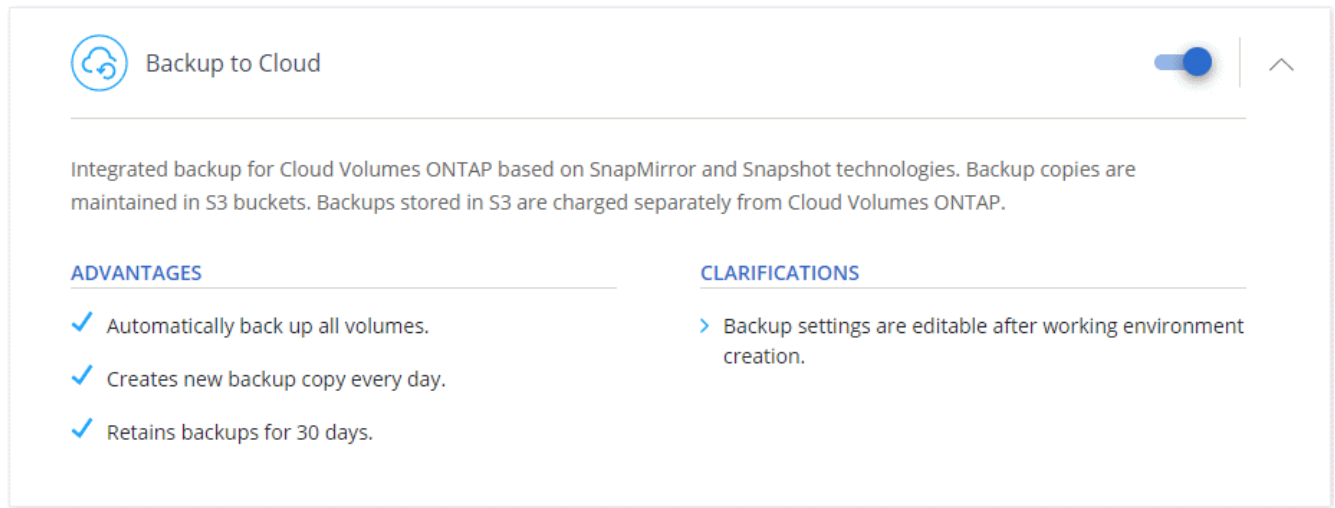
Enabling Backup to Cloud on a new system

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

Steps

1. Click **Create Cloud Volumes ONTAP**.

2. Select Amazon Web Services as the cloud provider and then choose a single node or HA system.
3. Fill out the Details & Credentials page.
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?

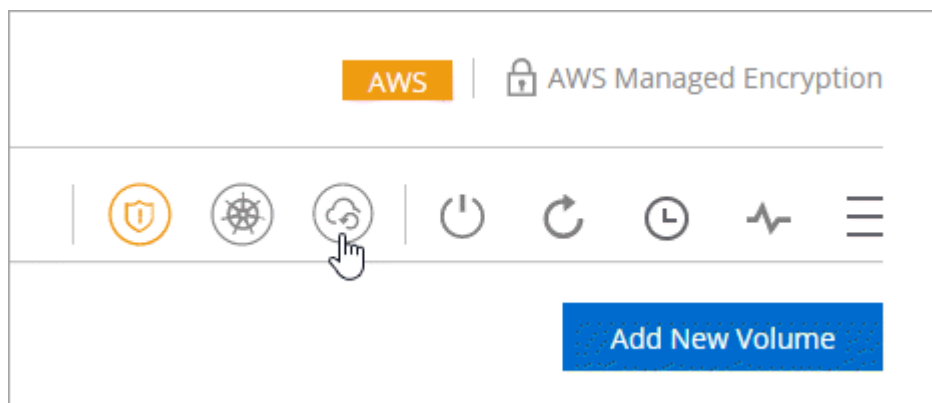
[You can manage backups by changing the backup schedule, restoring volumes, and more.](#)

Enabling Backup to Cloud on an existing system

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

Steps

1. Open the working environment.
2. Click the backup settings icon.



3. Select **Automatically back up all volumes**.
4. Choose your backup schedule and retention value and then click **Save**.



Backup to Cloud Settings

Backup Working Environment

☒ Automatically back up all volumes

Policy - Retention & Schedule

☒ Create New Policy ☐ Use Existing Policy

Backup Every

Day

Day

Week

Month

Number of backups to retain

30

All backups are stored in the S3 bucket named "ne8a5d-576fff4..."

Save

Cancel

Result

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

What's next?

You can manage backups by changing the backup schedule, restoring volumes, and more.

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