



Managing Cloud Sync for cloud volumes

Cloud Volumes Service

NetApp
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Managing Cloud Sync for cloud volumes

Creating a Cloud Sync data broker

NetApp Cloud Sync is integrated with NetApp Cloud Volumes Service for AWS to enable fast data syncing over NFS to or from a cloud volume. A Cloud Sync data broker enables you to create a Cloud Sync relationship for syncing data.

About this task

If you already have a Cloud Sync data broker in the same AWS Virtual Private Cloud (VPC) that you use for your Cloud Volumes account, you can skip this task.

[NetApp Cloud Sync Documentation](#)

Steps

1. Go to the Sync page or the Sync tab for a volume on the Volumes page.
2. Create a data broker by clicking **Create data broker**.
3. Provide information for the following fields:

- **Name**

Provide a name for the data broker.

- **Type**

Select AWS.

- **Region**

Select an available region.

- **API key**

Provide the access key for your AWS account.

- **Secret key**

Provide the secret key for your AWS account.

- **Keypair**

Select an available keypair.

The keypair will be updated after you enter valid keys.

- **VPC**

Select the VPC that is connected to your Cloud Volumes account.

- **Subnet**

Select an available subnet to use for the data broker.

☁ Create data broker

i A virtual machine will be created in AWS CloudFormation. The data broker will become active and available when that machine is ready and running and then you will be able to create sync relationships.

Name Required

Type Required

Region Required

API key Required

Secret key Required

Keypair Required

VPC Required

Subnet Required

4. Click **Create data broker** to start the data broker creation process.

It takes a few minutes to create a data broker.

After the data broker is created, it is marked with a green dot to indicate that it is ready.

After you finish

Continue with [Creating a Cloud Sync Relationship](#).

Creating a Cloud Sync relationship

A Cloud Sync relationship enables you to sync data to or from the cloud volume.

Before you begin

- You must already have a Cloud Sync data broker.

[Creating a Cloud Sync data broker](#)

- The data broker IP address must have been added to the export policy for both the source and the target volumes.

The export policy on the target volume must allow write access to the data broker.

[Creating additional export policy rules](#)

About this task

The Cloud Sync functionality that is integrated with Cloud Volumes Service currently supports only NFSv3. If

you want to sync between SMB volumes, you use the [Cloud Sync Service](https://cloudsync.netapp.com) directly (cloudsync.netapp.com).

Steps

1. Go to the Sync page or the Sync tab for a volume on the Volumes page.
2. Create a Cloud Sync relationship by clicking **Create new relationship**.
3. Take one of the following actions:
 - To sync data to the volume, select **Use volume as target**.
 - To sync data from the volume, select **Use volume as source**.

The screenshot shows the 'Create relationship' form. The 'Volume Required' field is set to 'Vol1-West (f23657e9-8d77-2057-8dac-cba)'. The 'Use volume as target' radio button is selected. The 'Source' section has 'Protocol' set to 'NFS', 'Host Required' set to '172.31.13.49', and 'Export Required' set to '/etc'. The 'Target' section has 'Protocol' set to 'NFS', 'Host Required' set to '172.17.51.84', and 'Export Required' set to '/sharp-desperate-walsh'. The checkbox 'Delete files on target when deleted from source' is unchecked. The 'Create relationship' button is highlighted in blue.

4. In the **Host** field (unpopulated), enter the IP address of the NFS server that you want to sync to or sync from.

After a few moments, a list of the available exports is automatically discovered.

5. In the **Export** field, select one of the available exports.
6. (Optional) Check the **Delete files on target when deleted from source** box if you want to delete the files on target when they are deleted from source.
7. Click **Create relationship**.

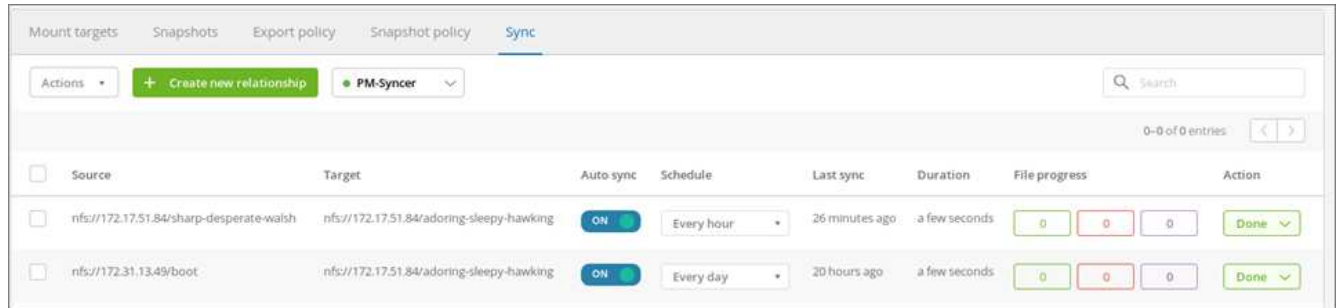
The relationship status is displayed and the file progress fields show the number of files that are copied.

Modifying the Cloud Sync schedule

When a Cloud Sync relationship is initially created, auto sync is enabled by default and scheduled to run once a day. You can modify the Cloud Sync schedule as appropriate.

Steps

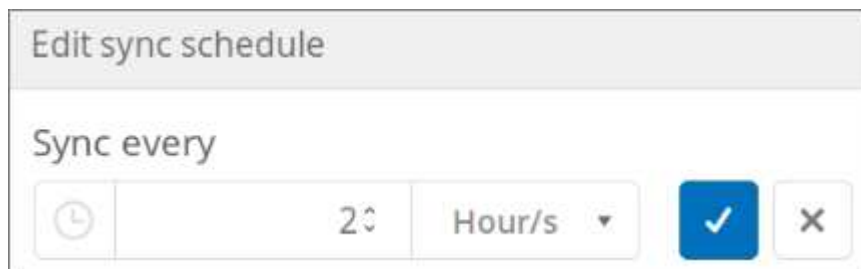
1. Go to the Sync page or the Sync tab for a volume on the Volumes page to see the Cloud Sync relationships.



2. To turn off auto sync for a Cloud Sync relationship, click the blue **ON** slider for the relationship.



3. To change the sync schedule, click the drop-down list under **Schedule**, select **Day/s** or **Hour/s**, select an interval number, and then click the checkmark.



4. To start Cloud Sync immediately, click **Done** under Action, select **Sync Now**, and click **Sync Now** again to confirm.

Deleting a Cloud Sync relationship

You can delete a Cloud Sync relationship that is no longer needed.

Steps

1. Go to the Sync page or the Sync tab for a volume on the Volumes page.
2. Click the box for the relationship you want to delete, click **Actions**, and then select **Delete relationship/s**.
3. In the confirmation dialog box, type `delete` to confirm, and then click **Delete**.

Deleting a Cloud Sync data broker

You can delete a Cloud Sync data broker that is no longer needed.

About this task

This task removes the data broker from cloud volumes, but it does not delete the data broker instance in AWS.

To delete the data broker instance in AWS, you must go to the AWS console for your account, locate the EC2 instance for the broker by name, and then terminate it as needed.

Before you begin

All Cloud Sync relationships that use the data broker must have already been deleted before you can delete the data broker.

[Deleting a Cloud Sync Relationship](#)

Steps

1. Go to the Sync page or the Sync tab for a volume on the Volumes page.
2. Delete a data broker by clicking the data broker's name and click the trash can icon.
3. In the confirmation dialog box, type `delete` to confirm, and then click **Delete**.

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