



# Back up to the cloud

## ONTAP 9

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# Back up to the cloud

Starting in ONTAP 9.9.1, you can back up your data to the cloud and to restore your data from cloud storage to a different volume by using System Manager. You can use either StorageGRID or ONTAP S3 as your cloud object store.

Before using the SnapMirror Cloud feature, you should generate a SnapMirror Cloud API license key on the NetApp Support Site: [Generate SnapMirror Cloud API license key](#)

## Add a cloud object store

Before you configure SnapMirror Cloud backups, you need to add a StorageGRID or ONTAP S3 cloud object store.

### Steps

1. Click **Protection > Overview > Cloud Object Stores**.
2. Click **+ Add**.

## Back up using the default policy

You can quickly configure a SnapMirror Cloud backup for an existing volume using the default cloud protection policy, DailyBackup.

### Steps

1. Click **Protection > Overview** and select **Back Up Volumes to Cloud**.
2. If this is your first time backing up to the cloud, enter your SnapMirror Cloud API license key in the license field as indicated.
3. Click **Authenticate and Continue**.
4. Select a source volume.
5. Select a cloud object store.
6. Click **Save**.

## Create a custom cloud backup policy

If you do not want to use the default DailyBackup cloud policy for your SnapMirror Cloud backups, you can create your own policy.

### Steps

1. Click **Protection > Overview > Local Policy Settings** and select **Protection Policies**.
2. Click **Add** and enter the new policy details.
3. In the **Policy Type** section, select **Back up to Cloud** to indicate that you are creating a cloud policy.
4. Click **Save**.

# Create a backup from the Volumes page

You can use the System Manager **Volumes** page to when you want to select and create cloud backups for multiple volumes at one time or when you want to use a custom protection policy.

## Steps

1. Click **Storage > Volumes**.
2. Select the volumes you want to back up to the cloud, and click **Protect**.
3. In the **Protect Volume** window, click **More Options**.
4. Select a policy.


You can select the default policy, DailyBackup, or a custom cloud policy you created.

5. Select a cloud object store.
6. Click **Save**.

# Restore from the cloud

You can use System Manager to restore backed up data from cloud storage to a different volume on the source cluster.


## Steps

1. Click **Storage > Volumes**.
2. Select the **Back Up to Cloud** tab.
3. Click  next to the source volume you want to restore, and select **Restore**.
4. Under **Source**, select a storage VM and then enter the name of the volume to which you want the data restored.
5. Under **Destination**, select the Snapshot copy you want to restore.
6. Click **Save**.

# Delete a SnapMirror Cloud relationship

You can use System Manager to delete a cloud relationship.


## Steps

1. Click **Storage > Volumes** and select the volume you want to delete.
2. Click  next to the source volume and select **Delete**.
3. Select **Delete the cloud object store endpoint (optional)** if you want to delete the cloud object store endpoint.
4. Click **Delete**.

# Remove a cloud object store

You can use System Manager to remove a cloud object store if it is not part of a cloud backup relationship. When a cloud object store is part of a cloud backup relationship, it cannot be deleted.

## Steps

1. Click **Protection > Overview > Cloud Object Stores**.
2. Select the object store you want to delete, click  and select **Delete**.

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