



# Extend to the cloud

## ONTAP System Manager

NetApp

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# Extend to the cloud

## Cloud overview

You can use FabricPool to automatically tier data depending on how frequently the data is accessed.

FabricPool is a hybrid storage solution that uses an all flash (all SSD) aggregate as the performance tier and an object store as the cloud tier. Using a FabricPool helps you reduce storage cost without compromising performance, efficiency, or protection.

The cloud tier can be located on NetApp StorageGRID, or one of the following service providers:

- Alibaba cloud
- Amazon S3
- Google Cloud
- IBM cloud
- Microsoft Azure Blob Storage

## Tier data to cloud

Storing data in tiers can enhance the efficiency of your storage system. You can manage storage tiers by using FabricPool to store data in a tier, based on how frequently the data is accessed.

This procedure sets up an object store as the cloud tier for FabricPool. Keep in mind that once you attach to a local tier (aggr) the cloud tier cannot be unattached.

You will need to use the CLI to set a volume tiering policy and to start tiering.

### *Steps*

1. Click **Storage > Tiers > Add Cloud Tier** and select the object store provider you want to use.
2. If you want to create a cloud mirror, click **Add as Primary**.

## Register a cluster with NDAS


If you are using NetApp Data Availability Services (NDAS) to back up your data to the cloud or StorageGRID, you must first register the ONTAP cluster that contains the volumes to be protected. A registration key is generated automatically within the NDAS app and the key must be entered on the ONTAP cluster using System

## Manager.

Before registering the ONTAP cluster with NDAS, [ONTAP cluster and SnapMirror requirements](#) must be satisfied.

For more information, see [Registering ONTAP target storage with NetApp Data Availability Services](#).

### *Steps*

1. Click **Cluster** > **Settings**> **Cloud Registration**, then click .
2. Paste in the registration key from the NDAS app.
3. Verify the IPspace and click Register.

If the status is unavailable or disconnected, you must reregister the ONTAP cluster with NDAS by using a new configuration key.

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