



Get started

Google Cloud NetApp Volumes

NetApp
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Get started

Learn about Google Cloud NetApp Volumes

Google Cloud NetApp Volumes is a fully managed, cloud-based data storage service that provides advanced data management capabilities and highly scalable performance.

NetApp Volumes helps to accelerate deployment times, manage your workloads and applications, and migrate workloads to the cloud while keeping the performance and features of on-premises storage.



To start working with Google Cloud NetApp Volumes, you must have the appropriate permissions and the Google Cloud NetApp Volumes admin or Google Cloud NetApp viewer role assigned to you. [Assign access roles for NetApp Volumes.](#)

Add new roles

Associate role in organization, folder, or project

Add role

Organization, folder or project	Category	Role	
test-workspace	Application	Google Cloud NetApp Volumes admin	

Add new roles

Cancel

Features

- Runs enterprise apps faster and more efficiently.
- Reduces cloud storage costs by up to 90%.
- Meets mandates for uptime, availability, and security.
- Supports NFS, SMB and multiprotocol environments.

Cost

Volumes created by Google Cloud NetApp Volumes are charged to your subscription to the service, not through the NetApp Console.

There are no charges to discover a Google Cloud NetApp Volumes region or volume from the NetApp Console.

Supported regions

[View supported Google Cloud NetApp Volumes regions](#)

Getting help

For technical support, log a request via the Google Cloud portal. Choose your Google Cloud subscription and the **Google Cloud NetApp Volumes** service under **Storage**. Complete the required information.

For general questions about Google Cloud NetApp Volumes, email NetApp's Google Cloud Team at gcinfo@netapp.com.

For technical issues associated with your cloud volumes, you can create a technical support case from the Google Cloud Console. See [obtaining support](#) for details.

Related links

- [Google Cloud NetApp Volumes documentation](#)
- [NetApp Console Copy and Sync documentation](#)

Getting started workflow

Get started with Google Cloud NetApp Volumes by setting up Google Cloud, and then creating a system.

1

Set up Google Cloud NetApp Volumes

From Google, create a service account.

2

Assign roles

From the NetApp Console, assign the correct roles to members.

3

Add a system

From the NetApp Console, click **Add System** and then **Google Cloud Platform** and then **Google Cloud NetApp Volumes** and then **Discover**. Provide the details about the service account and Google Cloud project.

Set up Google Cloud NetApp Volumes

The NetApp Console needs the right permissions through a Google Cloud service account.

Complete the following tasks so that the NetApp Console can access your Google Cloud project.

- If you do not already have an existing service account, create a new one.
- Grant access for impersonation.
- Grant the IAM role in the shared project.

Set up a service account

1. In the Google Cloud console, [go to the Service accounts page](#).
2. Click **Select a project**, choose your project, and click **Open**.
3. To create a service account, do the following:
 - a. Click **Create service account**.
 - b. Enter the service account name (friendly display name) and description.

The Google Cloud Console generates a service account ID based on this name. Edit the ID if necessary - you cannot change the ID later.

- c. Click **Create and continue**.
- d. From the Role list, select the **Google Cloud NetApp Volumes admin** or **Google Cloud NetApp viewer** role.
- e. Select **Continue**.
- f. Grant impersonation access to this service account: credentials-sa@wf-production-netapp.iam.gserviceaccount.com. For details, see [Create a self-signed JSON Web Token \(JWT\)](#).

The service account owned by NetApp is used to request a short-lived access token that lets you act as that service account without needing access to its private key.

- g. Click **DONE** at the bottom of the page, and continue to the next step.

Shared VPC

In each additional GCP project that will use the service account, do the following:

1. In the *IAM page*, select the Shared VPC host project from the project dropdown menu.
2. Click **Add Principal**.
3. In the New principals field, enter the email address of your service account.
4. From the Select a role dropdown, choose the **Google Cloud NetApp Volumes admin** role.
5. Click **Save**.

For detailed steps, refer to Google Cloud documentation:

- [Creating and managing service accounts](#)
- [Google Cloud NetApp Volumes roles and permissions](#)
- [Granting, changing, and revoking access to resources](#)

Troubleshooting

If you encounter an error, the **iam.disableCrossProjectServiceAccountUsage** policy might be enforced. To fix this, do the following:


1. In the Google Cloud console, go to the [Organization policies page](#).
2. Find the **Disable cross-project service account usage** policy and disable it.

What's next?

Assign Google Cloud NetApp Volumes roles

You must assign the correct roles to members in the NetApp Console to start working with Google Cloud NetApp Volumes. For details, see [Learn about NetApp Console access roles for all services](#).

Assign roles to the service account member

1. Log into the [NetApp Console](#).
 2. Select **Administration** and then **Identity and access**.
 3. Select the actions menu  next to the member that you want to assign a role and select **Add a role**.
 4. To add a role, complete the steps in the dialog box:
 - a. Select folder or project: Choose the level of your resource hierarchy that the member should have permissions for.

If you select a folder, the member has permissions to everything that resides within the folder.
 - b. From the **Category** drop down, select the **Application** role category.
[Learn about access roles](#).
 - c. From the **Role** drop down, select a role that provides the member with permissions for the resources that are associated with the folder or project that you selected.

Important: You must add one or both of these roles:

 - *Google Cloud NetApp Volumes admin*
 - OR
 - *Google Cloud NetApp Volumes viewer* - d. Add role: If you want to provide access to additional folders or projects within your organization, select **Add role**, specify another folder or project or role category, and then select a role category and a corresponding role.
5. Select **Add new roles**.

What's next?

[Add a Google Cloud NetApp Volumes system](#).

Add a Google Cloud NetApp Volumes system

After you set up a service account, add a Google Cloud NetApp Volumes system in the NetApp Console so you can view your Google Cloud NetApp Volumes instances.

Cloud volumes for this subscription are displayed in the system.



If you have subscriptions and volumes in multiple Google Cloud projects, you need to perform this task for each project.

Before you begin

You must have the following information available when adding a subscription for each project:

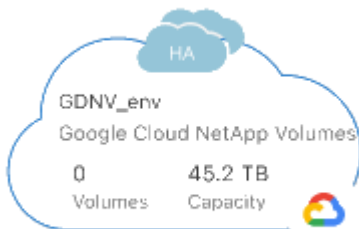
- Google service account email address
- Project name

Steps

1. From the NetApp Console menu, select **Storage** and then **Management**.
2. On the Systems page, select **Add System** and select **Google Cloud Platform**.
3. Next to **Google Cloud NetApp Volumes**, select **Discover**.
4. Provide information about your NetApp Volumes subscription:
 - a. Enter the system name you want to use.
 - b. Paste the associated Google service account email address. For details, see [Set up a service account](#).
 - c. Select **Apply credentials** to retrieve the project name and region.
 - d. From **Project name**, select the name of your Google Cloud project.
 - e. From **Region**, select the region where you want to create the system. The region must be one of the supported regions for Google Cloud NetApp Volumes.
 - f. Select **Discover**.

Result

The Console displays your Google Cloud NetApp Volumes system.



What's next?

[View your volumes.](#)

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