



# **Manage Google Cloud credentials**

## **Set up and administration**

NetApp  
April 03, 2023

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# Manage Google Cloud credentials

## Google Cloud projects, permissions, and accounts

A service account provides BlueXP with permissions to deploy and manage Cloud Volumes ONTAP systems that are in the same project as the Connector, or in different projects.

### Project and permissions for BlueXP

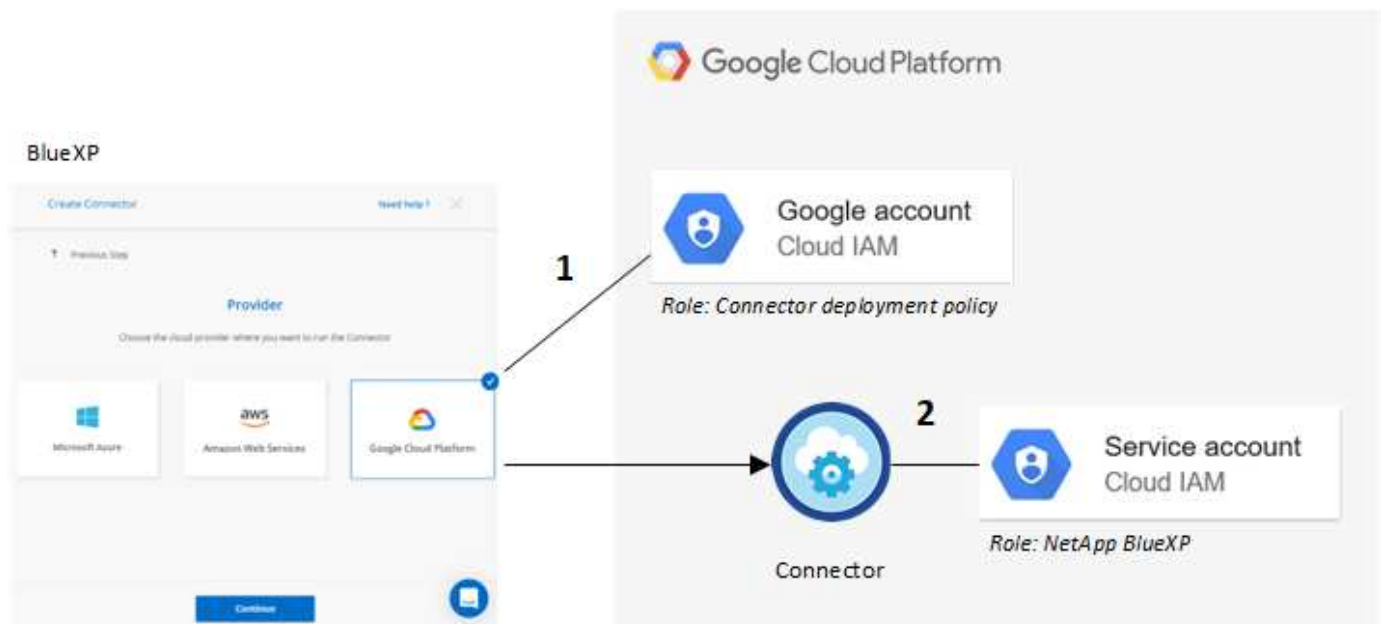
Before you can deploy Cloud Volumes ONTAP in Google Cloud, you must first deploy a Connector in a Google Cloud project. The Connector can't be running on your premises, or in a different cloud provider.

Two sets of permissions must be in place before you deploy a Connector directly from BlueXP:

1. You need to deploy a Connector using a Google account that has permissions to launch the Connector VM instance from BlueXP.
2. When deploying the Connector, you are prompted to select a [service account](#) for the VM instance. BlueXP gets permissions from the service account to create and manage Cloud Volumes ONTAP systems on your behalf. Permissions are provided by attaching a custom role to the service account.

We have set up two YAML files that include the required permissions for the user and the service account. [Learn how to use the YAML files to set up permissions.](#)

The following image depicts the permission requirements described in numbers 1 and 2 above:



### Project for Cloud Volumes ONTAP

Cloud Volumes ONTAP can reside in the same project as the Connector, or in a different project. To deploy Cloud Volumes ONTAP in a different project, you need to first add the Connector service account and role to that project.

- [Learn how to set up service account](#)
- [Learn how to deploy Cloud Volumes ONTAP in GCP and select a project](#)

## Managing Google Cloud credentials and subscriptions for BlueXP

You can manage the credentials that are associated with the Connector VM instance.

### Associating a Marketplace subscription with Google Cloud credentials

When you deploy a Connector in Google Cloud, BlueXP creates a default set of credentials that are associated with the Connector VM instance. These are the credentials that BlueXP uses to deploy Cloud Volumes ONTAP.

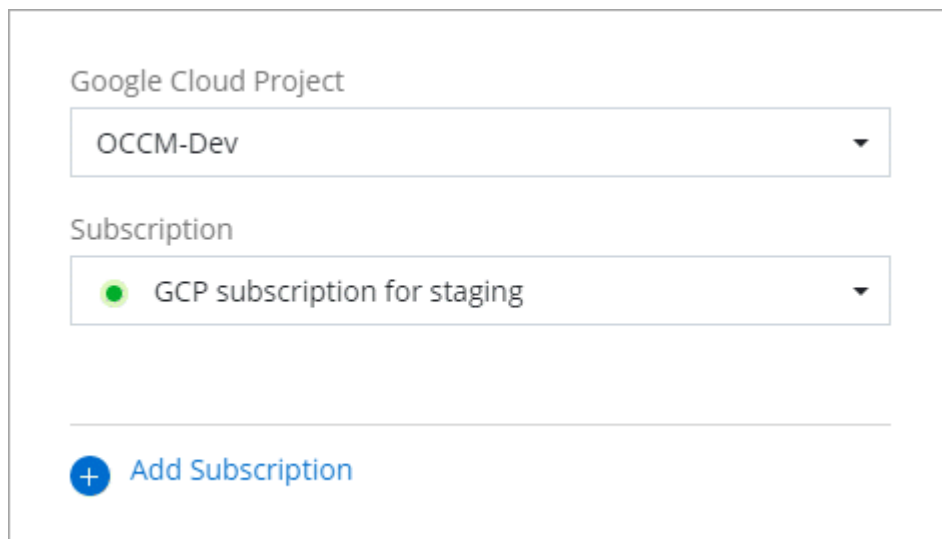
At any time, you can change the Marketplace subscription that's associated with these credentials. The subscription enables you to create a pay-as-you-go Cloud Volumes ONTAP system, and to use other NetApp cloud services.

#### Steps

1. In the upper right of the BlueXP console, click the Settings icon, and select **Credentials**.
2. On the **Account credentials** page, click the action menu for a set of credentials and then select **Associate Subscription**.



3. To associate the credentials with an existing subscription, select a Google Cloud project and subscription from the down-down list, and then click **Associate**.

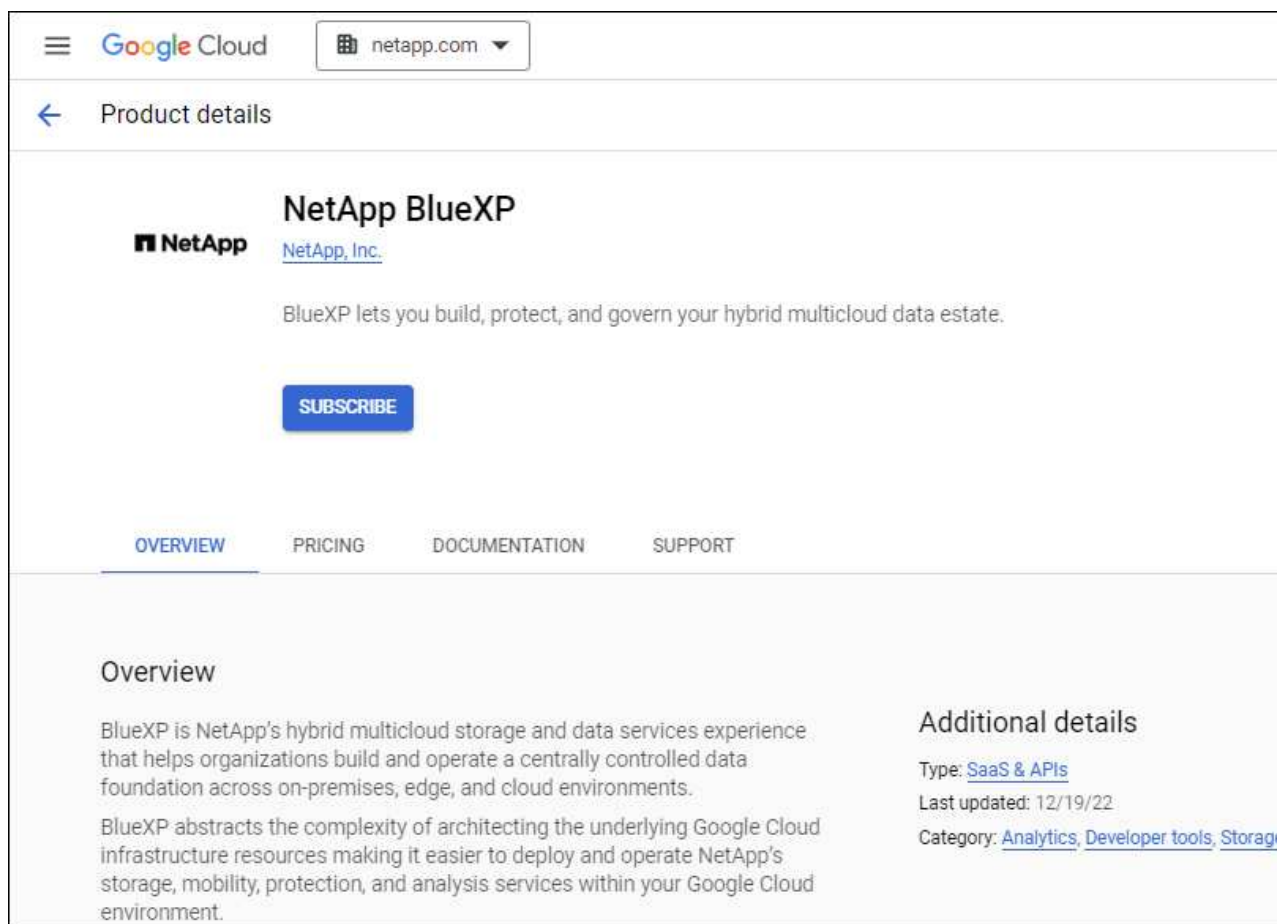
A screenshot of the subscription selection form. It features two dropdown menus. The first dropdown is labeled 'Google Cloud Project' and has 'OCCM-Dev' selected. The second dropdown is labeled 'Subscription' and has 'GCP subscription for staging' selected, which is preceded by a green dot icon. Below these dropdowns is a blue button with a plus icon and the text 'Add Subscription'.

4. If you don't already have a subscription, click **Add Subscription > Continue** and follow the steps in the Google Cloud Marketplace.



Before you complete the following steps, ensure that you have both Billing Admin privileges in your Google Cloud account as well as a BlueXP login.

- a. After you're redirected to the [NetApp BlueXP page on the Google Cloud Marketplace](#), ensure that the correct project is selected at the top navigation menu.



- b. Click **Subscribe**.
- c. Select the appropriate billing account and agree to the terms and conditions.
- d. Click **Subscribe**.

This step sends your transfer request to NetApp.

- e. On the pop-up dialog box, click **Register with NetApp, Inc.**

This step must be completed to link the Google Cloud subscription to your NetApp account. The process of linking a subscription isn't complete until you are redirected from this page and then sign in to BlueXP.



f. Complete the steps on the **Subscription Assignment** page:



If someone from your organization has already subscribed to the NetApp BlueXP subscription from your billing account, then you will be redirected to [the Cloud Volumes ONTAP page on the BlueXP website](#) instead. If this is unexpected, contact your NetApp sales team. Google enables only one subscription per Google billing account.

- Select the NetApp accounts that you'd like to associate this subscription with.
- In the **Replace existing subscription** field, choose whether you'd like to automatically replace the existing subscription for one account with this new subscription.

BlueXP replaces the existing subscription for all credentials in the account with this new subscription. If a set of credentials wasn't ever associated with a subscription, then this new subscription won't be associated with those credentials.

For all other accounts, you'll need to manually associate the subscription by repeating these steps.

- Click **Save**.

The following video shows the steps to subscribe from the Google Cloud Marketplace:

► <https://docs.netapp.com/us-en/cloud-manager-setup-admin//media/video-subscribing-google->

[cloud.mp4](#) (video)

- g. Once this process is complete, navigate back to the Credentials page in BlueXP and select this new subscription.

Google Cloud Project

OCCM-Dev

Subscription

GCP subscription for staging

+

 Add Subscription

## Troubleshooting the Marketplace subscription process

Sometimes subscribing to Cloud Volumes ONTAP through the Google Cloud Marketplace can become fragmented due to incorrect permissions or accidentally not following the redirection to the BlueXP website. If this happens, use the following steps to complete the subscription process.

### Steps

1. Navigate to the [NetApp BlueXP page on the Google Cloud Marketplace](#) to check on the state of the order. If the page states **Manage on Provider**, scroll down and click **Manage Orders**.

### Pricing



The product was purchased on 12/9/20.

[MANAGE ORDERS](#)

- If the order shows a green check mark and this is unexpected, somebody else from the organization using the same billing account might already be subscribed. If this is unexpected or you require the details of this subscription, contact your NetApp sales team.

Filter Enter property name or value										
Status	Order number	Plan	Discount	Start date ↓	Plan duration	End date	Payment Schedule	Auto-renew	Next plan	
✓	2eebbc...	Cloud Manager	-	10/21/21	1 month	-	Postpay	N/A	N/A	⋮

- If the order shows a clock and **Pending** status, go back to the marketplace page and choose **Manage on Provider** to complete the process as documented above.

 **Filter**

Enter property name or value

Status	Order number	Plan	Discount	Start date ↓	Plan duration	End date	Payment Schedule	Auto-renew	Next plan	
	d56c66... 	Cloud Manager	-	Pending	1 month	Pending	Postpay	N/A	N/A	



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