

# **Google Cloud credentials**

Set up and administration

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## **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.
- 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.

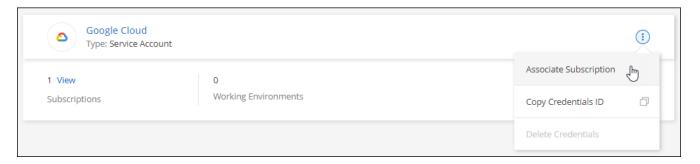
### Associating a Marketplace subscription with GCP credentials

When you deploy a Connector in GCP, 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.

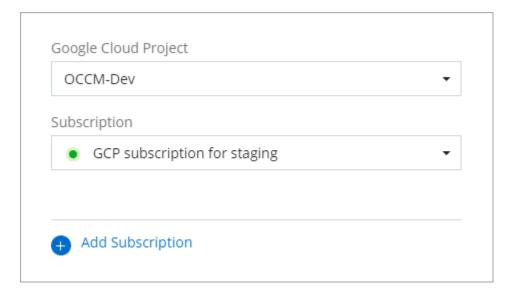
At any time, you can change the Marketplace subscription that's associated with these credentials. The subscription enables you to create a pay-as-you-go Cloud Volumes ONTAP system, and to use other NetApp cloud services.

#### Steps

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



3. Select a Google Cloud project and subscription from the down-down list.



4. Click Associate.

5. If you don't already have a subscription, click **Add Subscription** and follow the steps to create a new subscription below.



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.

6. Reivew the subscription steps and click Continue.



7. 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.



- 8. Click Subscribe.
- 9. Select the appropriate billing account and agree to the terms and conditions.

## 2. Purchase details Select a billing account \* Secondary\_Billing\_Account 3. Terms Cancellation and change policy · Usage fee is billed every month. . You can cancel the service at any time and it will take effect immediately. You will be billed by the amount you used for that month. I understand this subscription will be automatically renewed at the end of the current I authorize Google LLC and its affiliates ("Google") to share my purchase, usage, operational (e.g., project lifecycle events), support ticket, and account information with NetApp, Inc., its affiliates and subcontractors, for the purposes of providing the service, sales attribution, and technical support. I represent that I have the authority to bind my company. By deploying the software or accessing the service you are agreeing to comply with the End User License Agreement (2, GCP Marketplace Terms of Service, and the terms of applicable open source software licenses bundled with the software or service. Please review these terms and licenses carefully for details about any obligations you may have related to the software or service. To the limited extent an open source software license related to the software or service expressly supersedes the GCP Marketplace Terms of Service, that open source software license governs your use of that software or service. By using this product, you understand that certain account and usage information may be shared with NetApp, Inc. for the purposes of financial accounting, sales attribution, performance analysis, and support. Google is providing this software or service "as-is" and any support for this software or service will be provided by NetApp, Inc. under their terms of service.

#### 10. Click Subscribe.

SUBSCRIBE

This step sends your transfer request to NetApp.

 On the pop-up dialog box, click Register with NetApp, Inc. to be redirected to the NetApp BlueXP website.





This step must be completed to link the GCP 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.

12. After you're redirected to BlueXP, log in or sign up, and then click **Done** to proceed.

The GCP subscription will be linked to all NetApp accounts that your user login is associated with.





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.

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



a. 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.



b. 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.



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