



# **Add, remove, or delete systems**

## **Cloud Volumes ONTAP**

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# Add, remove, or delete systems

## Adding existing Cloud Volumes ONTAP systems to BlueXP

You can discover and add existing Cloud Volumes ONTAP systems to BlueXP. You might do this if you deployed a new BlueXP system.

### Before you begin

You must know the password for the Cloud Volumes ONTAP admin user account.

### Steps

1. From the left navigation menu, select **Storage > Canvas**.
2. On the Canvas page, click **Add Working Environment**.
3. Select the cloud provider in which the system resides.
4. Choose the type of Cloud Volumes ONTAP system.
5. Click the link to discover an existing system.
6. On the Region page, choose the region where the instances are running, and then select the instances.
7. On the Credentials page, enter the password for the Cloud Volumes ONTAP admin user, and then click **Go**.

### Result

BlueXP adds the Cloud Volumes ONTAP instances to the workspace.

## Removing Cloud Volumes ONTAP working environments

The Account Admin can remove a Cloud Volumes ONTAP working environment to move it to another system or to troubleshoot discovery issues.

### About this task

Removing a Cloud Volumes ONTAP working environment removes it from BlueXP. It does not delete the Cloud Volumes ONTAP system. You can later rediscover the working environment.

Removing a working environment from BlueXP enables you to do the following:

- Rediscover it in another workspace
- Rediscover it from another BlueXP system
- Rediscover it if you had problems during the initial discovery

### Steps

1. On the Canvas page, double-click on the working environment you want to remove.
2. On the upper right of the BlueXP console, click the ellipse icon, and select **Remove from workspace**.



3. In the Review from Workspace window, click **Remove**.

#### Result

BlueXP removes the working environment. Users can rediscover this working environment from the Canvas page at any time.

## Deleting a Cloud Volumes ONTAP system

You should always delete Cloud Volumes ONTAP systems from BlueXP, rather than from your cloud provider's console. For example, if you terminate a licensed Cloud Volumes ONTAP instance from your cloud provider, then you can't use the license key for another instance. You must delete the working environment from BlueXP to release the license.

When you delete a working environment, BlueXP terminates Cloud Volumes ONTAP instances and deletes disks and snapshots.

Resources managed by other services like backups for Cloud Backup and instances for Cloud Data Sense and Monitoring are not deleted when you delete a working environment. You'll need to manually delete them yourself. If you don't, then you'll continue to receive charges for these resources.



When BlueXP deploys Cloud Volumes ONTAP in your cloud provider, it enables termination protection on the instances. This option helps prevent accidental termination.

#### Steps

1. If you enabled Cloud Backup on the working environment, determine whether the backed up data is still required and then [delete the backups, if necessary](#).

Cloud Backup is independent from Cloud Volumes ONTAP by design. Cloud Backup doesn't automatically

delete backups when you delete a Cloud Volumes ONTAP system, and there is no current support in the UI to delete the backups after the system has been deleted.

2. If you enabled Cloud Data Sense on this working environment and no other working environments use this service, then you'll need to delete the instance for the service.

[Learn more about the Cloud Data Sense instance.](#)

3. Delete the Cloud Volumes ONTAP working environment.
  - a. On the Canvas page, double-click the name of the Cloud Volumes ONTAP working environment that you want to delete.
  - b. On the upper right of the BlueXP console, click the ellipse icon, and select **Delete**.



- c. Under the Delete Working Environment window, type the name of the working environment and then click **Delete**.

It can take up to 5 minutes to delete the working environment.

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