



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

## **Cloud Volumes ONTAP**

NetApp

October 17, 2022

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# Add, remove, or delete systems

## Adding existing Cloud Volumes ONTAP systems to Cloud Manager

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

### Before you begin

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

### Steps

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

### Result

Cloud Manager 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 Cloud Manager. It does not delete the Cloud Volumes ONTAP system. You can later rediscover the working environment.

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

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

### Steps

1. In the upper right of the Cloud Manager console, click the Settings icon, and select **Tools**.



2. From the Tools page, click **Launch**.

3. Select the Cloud Volumes ONTAP working environment that you want to remove.
4. On the Review and Approve page, click **Go**.

### Result

Cloud Manager 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 Cloud Manager, 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 Cloud Manager to release the license.

When you delete a working environment, Cloud Manager 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 Cloud Manager 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 or Monitoring on this working environment and no other working environments use those services, then you'll need to delete the instances for those services.
  - [Learn more about the Cloud Data Sense instance](#).
  - [Learn more about the Monitoring Acquisition Unit](#).
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. Click menu icon and then click **Delete**.



c. 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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