



# **Managing backups for Cloud Volumes ONTAP and on-premises ONTAP systems**

## **Cloud Manager**

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# Table of Contents

- Managing backups for Cloud Volumes ONTAP and on-premises ONTAP systems . . . . . 1
  - Viewing the volumes that are being backed up . . . . . 1
  - Changing the schedule and backup retention . . . . . 1
  - Starting and stopping backups of volumes . . . . . 2
  - Creating a manual volume backup at any time . . . . . 3
  - Viewing the list of backups for each volume . . . . . 4
  - Deleting backups . . . . . 5
  - Disabling Cloud Backup for a working environment. . . . . 9
  - Unregistering Cloud Backup for a working environment . . . . . 10

# Managing backups for Cloud Volumes ONTAP and on-premises ONTAP systems

You can manage backups for Cloud Volumes ONTAP and on-premises ONTAP systems by changing the backup schedule, enabling/disabling volume backups, creating an on-demand backup, deleting backups, and more.



Do not manage or change backup files directly from your cloud provider environment. This may corrupt the files and will result in an unsupported configuration.

## Viewing the volumes that are being backed up

You can view a list of all the volumes that are currently being backed up in the Backup Dashboard.

### Steps

1. Click the **Backup & Restore** tab.
2. Click the **Backup** tab and the Backup Dashboard is displayed.

Source Working Environment	Source Volume	Source SVM	Last Backup	Backups	Backup Status
aws CVO_AWS On	Source Volume Name On	Source SVM Name	May 22 2019, 00:00:00	2,050 Backups	Active
aws CVO_AWS On	Source Volume Name On	Source SVM Name	May 22 2019, 00:00:00	2,050 Backups	Active
aws CVO_AWS On	Source Volume Name On	Source SVM Name	May 22 2019, 00:00:00	2,050 Backups	Active

If you are looking for specific volumes in certain working environments, you can refine the list by working environment and volume, or you can use the search filter.

## Changing the schedule and backup retention

The default policy backs up volumes every day and retains the most recent 30 backup copies of each volume. You can change to a combination of hourly, daily, weekly, or monthly backups and you can change the number of backup copies to retain. You can also select one of the system-defined policies that provide scheduled backups for 3 months, 1 year, and 7 years.

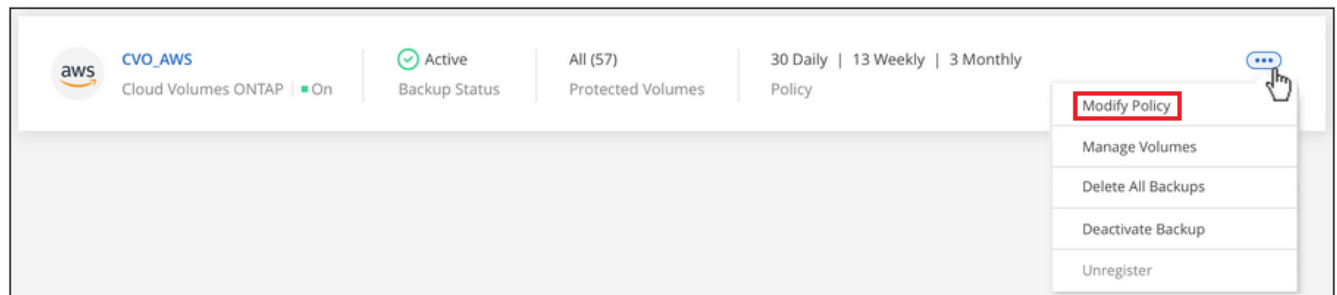
Changing the backup policy affects both new volumes created after you change the schedule, and any existing volumes that were using the original policy.

### Steps

1. From the Backup Dashboard, select **Backup Settings**.



- From the *Backup Settings* page, click ... for the working environment where you want to change the settings and select **Modify Policy**.



- From the *Modify Policy* page, change the schedule and backup retention and then click **Save**.

### Modify Policy

**Backup Policy**

☒ Create a New Policy
 ☐ Select an Existing Policy

<input type="checkbox"/> Hourly	Number of backups to retain	<input type="text" value=""/>
<input checked="" type="checkbox"/> Daily	Number of backups to retain	<input type="text" value="30"/>
<input type="checkbox"/> Weekly	Number of backups to retain	<input type="text" value=""/>
<input type="checkbox"/> Monthly	Number of backups to retain	<input type="text" value=""/>

**DP Volumes**

Data protection volume backups use the same retention period as defined in the source SnapMirror relationship by default. Use the API if you want to change this value

**S3 Bucket**

Cloud Manager will create the S3 bucket after you complete the wizard

## Starting and stopping backups of volumes

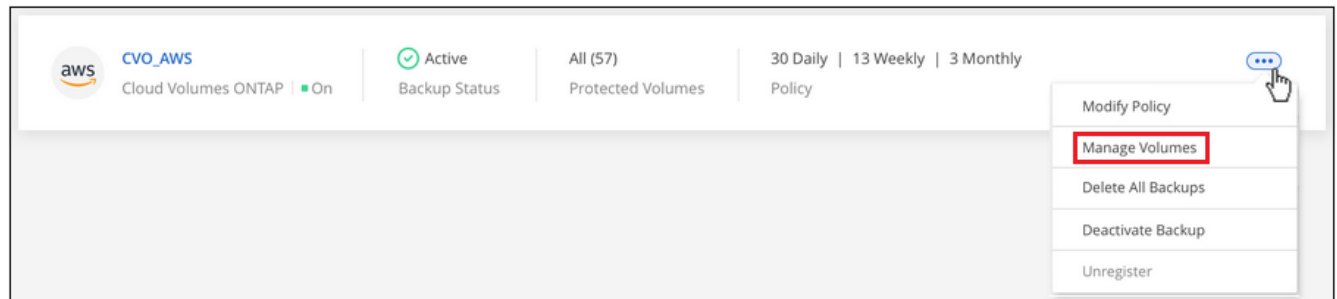
You can stop backing up a volume if you do not need backup copies of that volume and you do not want to pay for the cost to store the backups. You can also add a new volume to the backup list if it is not currently being backed up.

### Steps

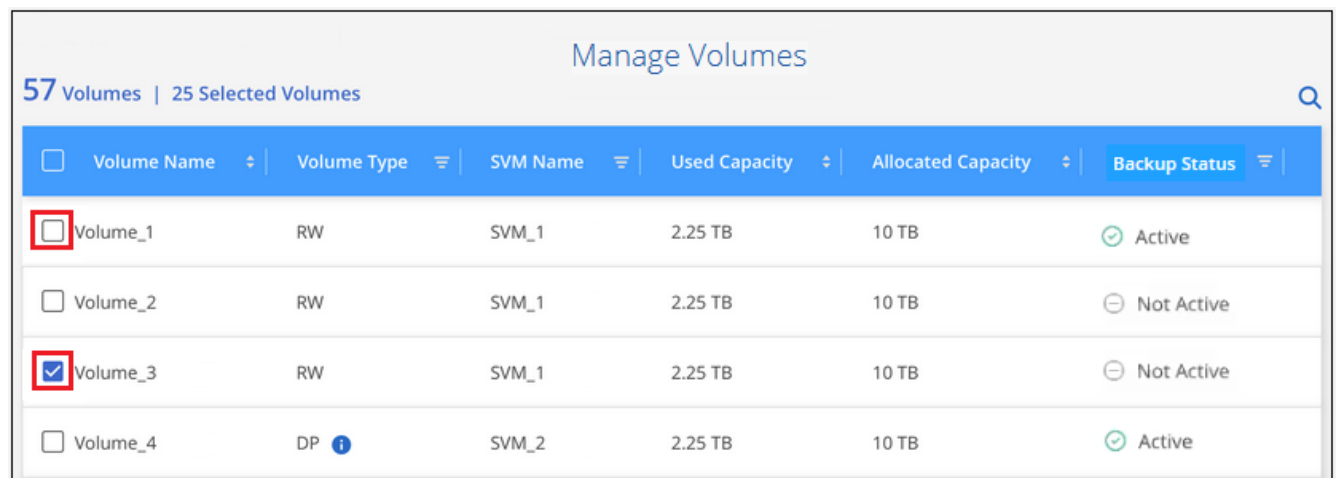
- From the Backup Dashboard, select **Backup Settings**.



- From the *Backup Settings* page, click ... for the working environment and select **Manage Volumes**.



- Select the checkbox for volumes that you want to start backing up, and deselect the checkbox for volumes that you want to stop backing up.



- Click **Save** to commit your changes.

**Note:** When stopping a volume from being backed up you'll continue to be charged by your cloud provider for object storage costs for the capacity that the backups use unless you [delete the backups](#).

## Creating a manual volume backup at any time

You can create an on-demand backup at any time to capture the current state of the volume. This can be useful if very important changes have been made to a volume and you don't want to wait for the next scheduled backup to protect that data, or if the volume is not currently being backed up and you want to capture its current state.

The backup name includes the timestamp so you can identify your on-demand backup from other scheduled backups.

### Steps

1. From the Backup Dashboard, click ... for the volume and select **Backup Now**.

The screenshot shows the Backup Dashboard interface. At the top, there are tabs for 'Backup' and 'Restore'. Below the tabs is a dropdown menu for 'All Backup Working Environments' and a 'Backup Settings' button. The dashboard displays summary statistics: 1 Working Environment, 57 Protected Volumes, and 15.1 TB Total Backup Capacity. A 'Protected Volumes Status' section shows 57 Healthy Backup Volumes and 0 Failed Backup Volumes. Below this is a table titled '57 Backups' with columns: Source Working Environment, Source Volume, Source SVM, Last Backup, Backups, and Backup Status. The table lists three backup jobs for 'CVO\_AWS' working environment. For each job, the 'Backup Status' column shows 'Active' with a green checkmark. A dropdown menu is open for the first row, showing options: 'Details & Backup List', 'Backup Now' (highlighted with a red box), and 'Pause Backups'.

Source Working Environment	Source Volume	Source SVM	Last Backup	Backups	Backup Status
CVO_AWS On	Volume_1 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups	Active
CVO_AWS On	Volume_2 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups	Active
CVO_AWS On	Volume_3 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups	Active

The Backup Status column for that volume displays "In Progress" until the backup is created.

## Viewing the list of backups for each volume

You can view the list of all backup files that exist for each volume. This page displays details about the source volume, destination location, and backup details such as last backup taken, the current backup policy, backup file size, and more.

This page also enables you perform the following tasks:

- Delete all backup files for the volume
- Delete individual backup files for the volume
- Download a backup report for the volume

### Steps

1. From the Backup Dashboard, click ... for the source volume and select **Details & Backup List**.

BackupRestore

All Backup Working Environments

Backup Settings

1

Working Environments

57

Protected Volumes

15.1 TB

Total Backup Capacity

Protected Volumes Status

57

Healthy Backup Volumes

0

Failed Backup Volumes

57 Backups

Source Working Environment	Source Volume	Source SVM	Last Backup	Backups	Backup Status	
CVO_AWS On	Volume_1 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups	Active	⋮
CVO_AWS On	Volume_2 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups		<div>Details &amp; Backup List</div> <div>Backup Now</div> <div>Pause Backups</div>
CVO_AWS On	Volume_3 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups		

The list of all backup files is displayed along with details about the source volume, destination location, and backup details.

Source

Working Environment

Working Environment N...

Type

Cloud Volumes ONTAP (HA)

Provider

AWS

Volume

Volume Name

SVM

SVM Name

Destination

Cloud Provider

AWS

Bucket

Backup Bucket Name

Region

US East (N. Virginia)

Account ID

012345678901234567890

Backup Information

Relationship Status

Failed

Last Backup

May 22 2019, 00:00:00

Lag Duration

28 days ago

Backups

2,050

Backup Policy

Netapp7YearsRetention

2,050 Backups

Select Timeframe

Actions

Backup Name	Date	
Backup_2020_Jan	May 22 2019, 00:00:00	⋮
Backup_2020_Mar	May 22 2019, 00:00:00	⋮
Backup_2020_Apr	May 22 2019, 00:00:00	⋮

## Deleting backups

Cloud Backup enables you to delete a single backup file, delete all backups for a volume, or delete all backups of all volumes in a working environment. You might want to delete all backups if you no longer need the backups or if you deleted the source volume and want to remove all backups.

Note that deleting all backups does not disable further backups of this volume or the working environment. If you want to stop creating backups of a volume, you can disable backups [as described here](#). If you want to stop creating backups of all volumes in a working environment, you can deactivate backups [as described here](#).

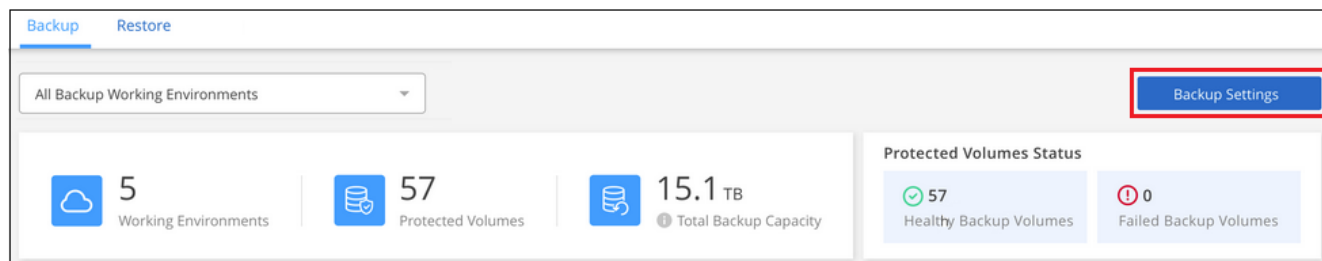


If you plan to delete a Cloud Volumes ONTAP or on-premises ONTAP system that has backups, you must delete the backups **before** deleting the system. Cloud Backup doesn't automatically delete backups when you delete a system, and there is no current support in the UI to delete the backups after the system has been deleted. You'll continue to be charged for object storage costs for any remaining backups.

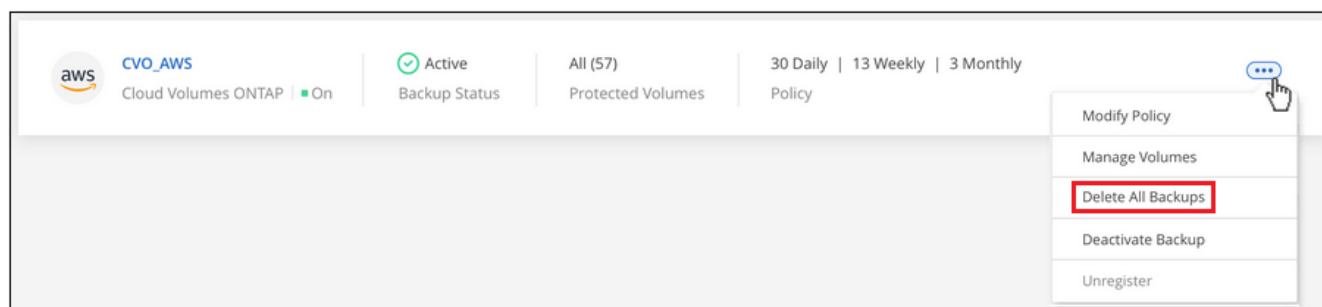
## Deleting all backup files for a working environment

### Steps

1. From the Backup Dashboard, select **Backup Settings**.



2. Click ... for the working environment where you want to delete all backups and select **Delete All Backups**.



3. In the confirmation dialog box, enter the name of the working environment and click **Delete**.

## Deleting all backup files for a volume

### Steps

1. From the Backup Dashboard, click ... for the source volume and select **Details & Backup List**.



Backup Restore

All Backup Working Environments

Backup Settings

1 Working Environments | 57 Protected Volumes | 15.1 TB Total Backup Capacity

Protected Volumes Status: 57 Healthy Backup Volumes | 0 Failed Backup Volumes

57 Backups

Source Working Environment	Source Volume	Source SVM	Last Backup	Backups	Backup Status	
CVO_AWS On	Volume_1 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups	Active	...
CVO_AWS On	Volume_2 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups		Details & Backup List
CVO_AWS On	Volume_3 On	SVM_1	May 22 2019, 00:00:00	2,050 Backups		Backup Now
						Pause Backups

The list of all backup files is displayed.

Source

Working Environment: Working Environment N...  
Type: Cloud Volumes ONTAP (HA)  
Provider: AWS  
Volume: Volume Name  
SVM: SVM Name

Destination

Cloud Provider: AWS  
Bucket: Backup Bucket Name  
Region: US East (N. Virginia)  
Account ID: 012345678901234567890

Backup Information

Relationship Status: Failed  
Last Backup: May 22 2019, 00:00:00  
Lag Duration: 28 days ago  
Backups: 2,050  
Backup Policy: Netapp7YearsRetention

2,050 Backups

Select Timeframe

Actions

Backup Name	Date	
Backup_2020_Jan	May 22 2019, 00:00:00	...
Backup_2020_Mar	May 22 2019, 00:00:00	...
Backup_2020_Apr	May 22 2019, 00:00:00	...

2. Click **Actions** > **Delete all Backups**.

2,050 Backups

Select Timeframe

Actions

Delete All Backups

Download Backup Report

Backup Name	Date	
Backup_2020_Jan	May 22 2019, 00:00:00	
Backup_2020_Mar	May 22 2019, 00:00:00	...

3. In the confirmation dialog box, enter the volume name and click **Delete**.

## Deleting a single backup file for a volume

You can delete a single backup file. This feature is available only if the volume backup was created from a system with ONTAP 9.8 or greater.

### Steps

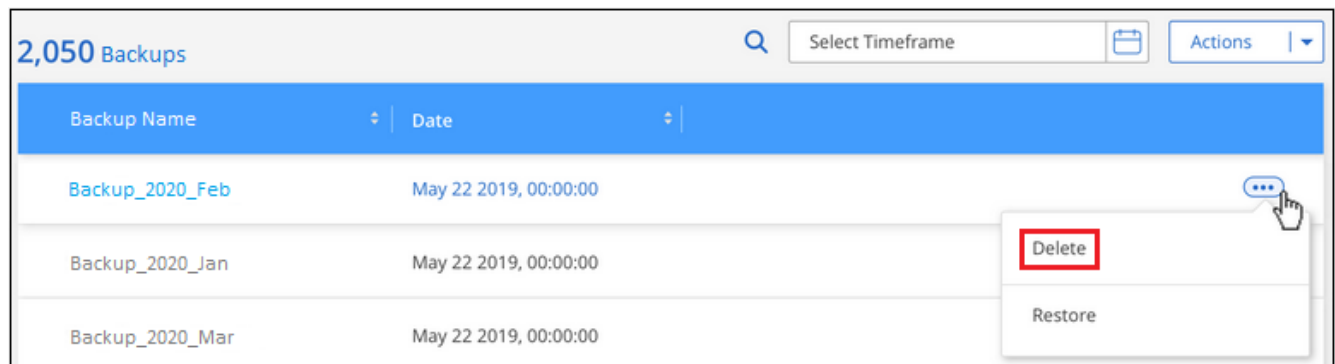
1. From the Backup Dashboard, click **...** for the source volume and select **Details & Backup List**.

The screenshot shows the Backup Dashboard interface. At the top, there are tabs for 'Backup' and 'Restore'. Below them is a dropdown menu for 'All Backup Working Environments' and a 'Backup Settings' button. The dashboard displays summary statistics: 1 Working Environment, 57 Protected Volumes, and 15.1 TB Total Backup Capacity. A 'Protected Volumes Status' section shows 57 Healthy Backup Volumes and 0 Failed Backup Volumes. The main section is titled '57 Backups' and contains a table with columns: Source Working Environment, Source Volume, Source SVM, Last Backup, Backups, and Backup Status. The table lists three backup entries for 'CVO\_AWS' working environment. The first entry, 'Volume\_1', has a dropdown menu open showing options: 'Details & Backup List' (highlighted with a red box), 'Backup Now', and 'Pause Backups'.

The list of all backup files is displayed.

The screenshot shows the 'Details & Backup List' view. It is divided into three main sections: 'Source', 'Destination', and 'Backup Information'. The 'Source' section shows 'Working Environment' as 'Working Environment N...', 'Type' as 'Cloud Volumes ONTAP (HA)', 'Provider' as 'AWS', 'Volume' as 'Volume Name', and 'SVM' as 'SVM Name'. The 'Destination' section shows 'Cloud Provider' as 'AWS', 'Bucket' as 'Backup Bucket Name', 'Region' as 'US East (N. Virginia)', and 'Account ID' as '012345678901234567890'. The 'Backup Information' section shows 'Relationship Status' as 'Failed', 'Last Backup' as 'May 22 2019, 00:00:00', 'Lag Duration' as '28 days ago', 'Backups' as '2,050', and 'Backup Policy' as 'Netapp7YearsRetention'. Below these sections is a section titled '2,050 Backups' with a search bar and a table. The table has columns 'Backup Name' and 'Date'. It lists three backup files: 'Backup\_2020\_Jan', 'Backup\_2020\_Mar', and 'Backup\_2020\_Apr', all dated 'May 22 2019, 00:00:00'. Each row has a dropdown menu (three dots) to its right.

2. Click **...** for the volume backup file you want to delete and click **Delete**.



3. In the confirmation dialog box, click **Delete**.

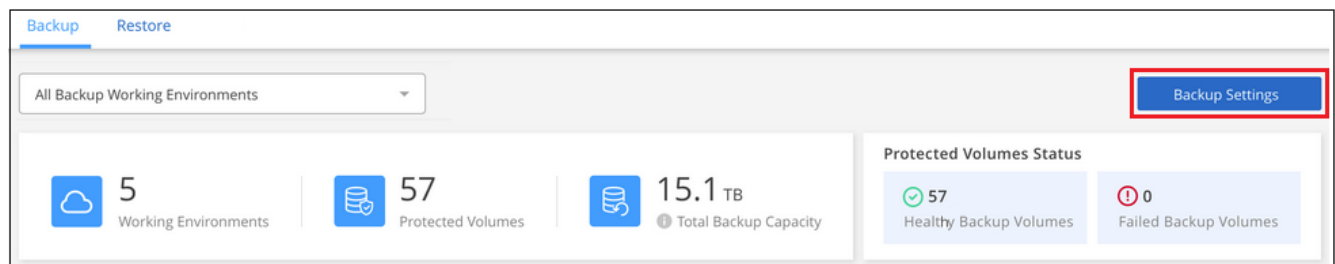
## Disabling Cloud Backup for a working environment

Disabling Cloud Backup for a working environment disables backups of each volume on the system, and it also disables the ability to restore a volume. Any existing backups will not be deleted. This does not unregister the backup service from this working environment - it basically allows you to pause all backup and restore activity for a period of time.

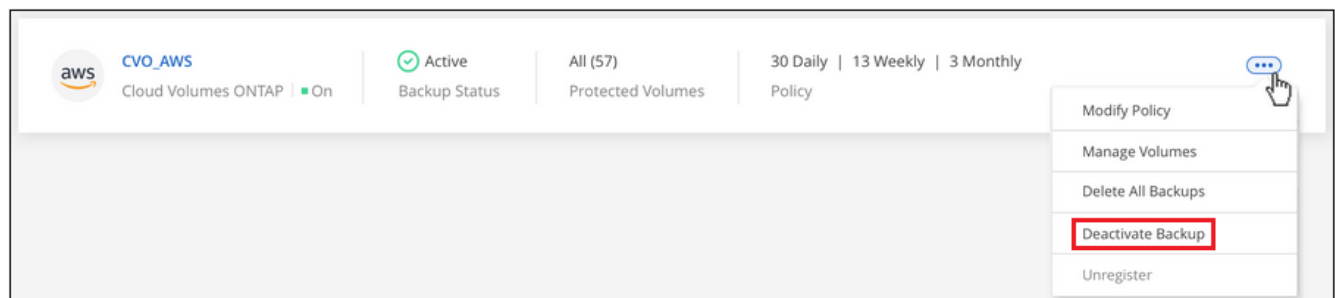
Note that you'll continue to be charged by your cloud provider for object storage costs for the capacity that your backups use unless you [delete the backups](#).

### Steps

1. From the Backup Dashboard, select **Backup Settings**.



2. From the *Backup Settings* page, click ... for the working environment where you want to disable backups and select **Deactivate Backup**.



3. In the confirmation dialog box, click **Deactivate**.



An **Activate Backup** button appears for that working environment while backup is disabled. You can click this button when you want to re-enable backup functionality for that working environment.

# Unregistering Cloud Backup for a working environment

You can unregister Cloud Backup for a working environment if you no longer want to use backup functionality and you want to stop being charged for backups in that working environment. Typically this feature is used when you're planning to delete a working environment and you want to cancel the backup service.

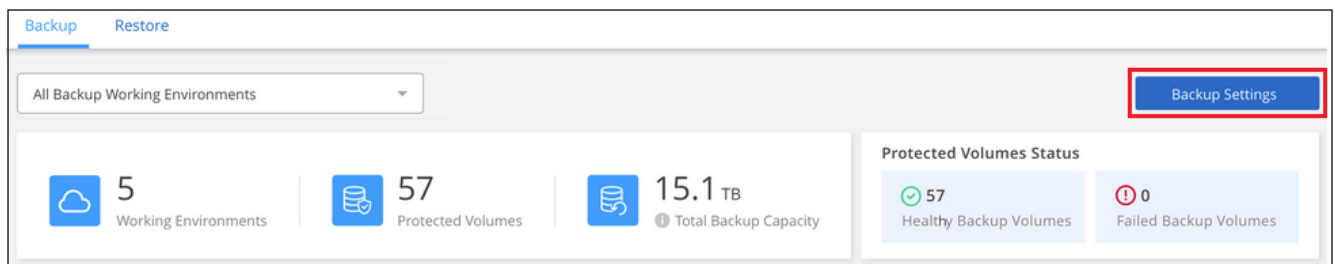
Before you can unregister Cloud Backup, you must perform the following steps, in this order:

- Deactivate Cloud Backup for the working environment
- Delete all backups for that working environment

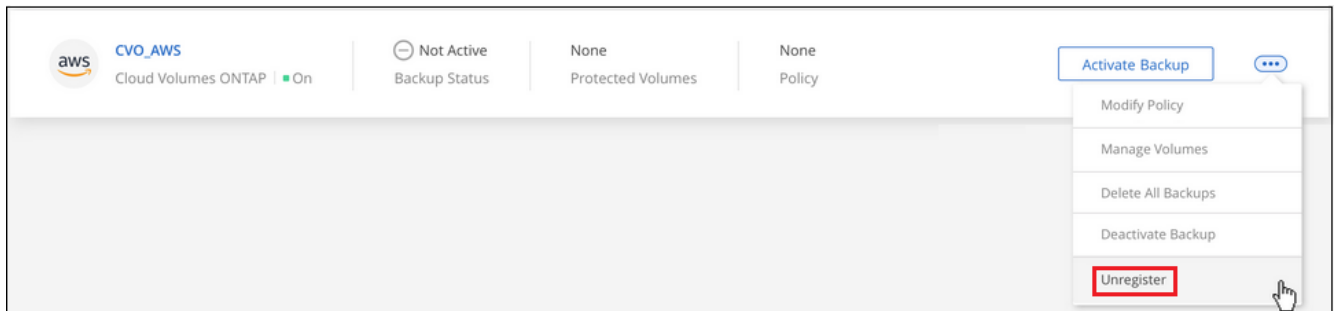
The unregister option is not available until these two actions are complete.

## Steps

1. From the Backup Dashboard, select **Backup Settings**.



2. From the *Backup Settings* page, click ... for the working environment where you want to unregister the backup service and select **Unregister**.



3. In the confirmation dialog box, click **Unregister**.

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