

# Cloud Volumes ONTAP Troubleshooting (NA-CVOTS)

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## Course Description

Learn how to work with and troubleshoot NetApp® Cloud Volumes ONTAP® for each supported public cloud provider. Use hands-on experience to collect and analyze troubleshooting data to better triage and resolve issues.

## Course Duration

2 days.

## Prerequisites

One of the following:

- ONTAP Cluster Administration and Integrating Hybrid Clouds with AWS
- ONTAP Cluster Administration and Integrating Hybrid Clouds with Microsoft Azure
- ONTAP Cluster Administration and Integrating Hybrid Clouds with Google Cloud

## Objectives

This course focuses on enabling you to do the following:

- Identify the supported public clouds and how they work with Cloud Volumes ONTAP
- Explain the architecture, dependencies, and limitations of the supported cloud provider offerings
- Troubleshoot single nodes and high-availability (HA) nodes with Amazon Web Services (AWS), Microsoft Azure, and Google Cloud
- Understand the current limitations of tiering for migration purposes
- Explain the troubleshooting workflows for Cloud Volumes ONTAP
- Understand Cloud Volumes ONTAP for public cloud providers to bring existing systems back to full health

## Course Outlines

### Module 1: Review of Cloud Volumes ONTAP and public cloud

- AWS review
- Microsoft Azure review
- Google Cloud review

### Module 2: Architecture

- AWS architecture
- Microsoft Azure architecture
- Google Cloud architecture
- Identifying disks

### Module 3: Known limitations

- Limitations for AWS
- Limitations for Microsoft Azure
- Limitations for Google Cloud

### Module 4: Tiering workflows

- Tiering migration

### Module 5: Cloud Volumes ONTAP workflows and troubleshooting

- Gather logs for troubleshooting
- Common issues

## Who Should Attend

- Administrator
- Engineer