

**NA-CVOTS: Cloud Volumes ONTAP Troubleshooting**

Course Code: NA-CVOTS

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

**OVERVIEW**

This *Cloud Volumes ONTAP Troubleshooting* course, 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.

**SKILLS COVERED**

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

**WHO SHOULD ATTEND?**

- Administrator
- Engineer

**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

**MODULES****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

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