

Integrating Hybrid Clouds with AWS (NA- IHCAWS)

Course Description

Learn to implement a hybrid cloud solution with Amazon Web Services (AWS) by using NetApp® Cloud Volumes ONTAP®. Connect a Virtual Private Cloud (VPC) and an on-premises data center to unify your infrastructure. Use the NetApp Console to move data and manage storage in the hybrid cloud. Learn how NetApp cloud services are integrated into the NetApp Console to provide enhanced data protection, security, and compliance. Learn how to optimize the capacity and performance of Cloud Volumes ONTAP.

Course Duration

2 days.

Prerequisites

Basic knowledge of:

- Integrating Hybrid Clouds Foundation
- Previous knowledge of AWS and cloud computing concepts such as subscriptions, VPC, virtual machines (VMs), Amazon Simple Storage Service (Amazon S3), Classless Inter-Domain Routing (CIDR), and network address translation (NAT)

Objectives

This course focuses on enabling you to do the following:

- Create a VPN connection between a public cloud network VPC and an on-premises data center
- Deploy an Agent in the public cloud
- Deploy Cloud Volumes ONTAP in both a single-node and high-availability (HA) configuration
- Use the NetApp Console to administer Cloud Volumes ONTAP
- Explore data protection options of Cloud Volumes ONTAP
- Analyze data tiering options from on premises to cloud

Course Outline

Module 1: AWS Cloud essential concepts

- AWS networking and other concepts
- AWS CloudFormation





Module 2: Network connectivity options in AWS

- AWS VPC connectivity to an on-premises network

Module 3: Deploy an agent

- Agent review

Module 4: Cloud Volumes ONTAP

- Architecture review
- Deployment
- High availability review

Module 5: Administration

- Administering Cloud Volumes ONTAP

Module 6: Protection

- Backup, archive, and disaster recovery
- Ransomware protection

Module 7: Tiering

- Data tiering from on-premises to Amazon S3

Who Should Attend

Systems administrator, operator, cloud architect, enterprise architect, and integration developer.