Enterprise Computing Solutions - Education Services

# TRAINING OFFERING

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# Integrating Hybrid Clouds with AWS

| CODE: | LENGTH: | PRICE: |
|---|---|---|
| NEP_DF-HCL-I | 16 Hours (2 days) | €2,000.00 |

## 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.

## 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

## Audience

Administrator, architect, engineer

## Programme

**Module 1: AWS Cloud essential concepts**

Lessons
• AWS networking and other concepts
• AWS CloudFormation

Exercises
• Controlling cloud resources with the CLI
• Controlling ONTAP on-premises resources with NetApp PowerShell Toolkit
• Configuring resources in AWS with CloudFormation
• Reviewing resources in the AWS Cloud console
• Verifying connectivity to the Amazon EC2 instances in the public and private subnets

**Module 2: Network connectivity options in AWS**

Lessons
• AWS VPC connectivity to an on-premises network

Exercises
• Connecting an AWS VPC to an on-premises network
• Configuring the on-premises DNS for AWS (optional)

**Module 3: Deploy an agent**

Lessons

• Agent review

Exercises
• Deploying an agent

**Module 4: Cloud Volumes ONTAP**

Lessons
• Architecture review
• Deployment
• High availability review

Exercises
• Deploying a single-node Cloud Volumes ONTAP instance with NFS
• Creating an SMB volume and accessing it from an SMB client
• Deploying a Cloud Volumes ONTAP HA pair
• Performing failover and failback of the HA pair of nodes
• Connecting an SMB client from outside the VPC by using a transit gateway

**Module 5: Administration**

Lessons
• Administering Cloud Volumes ONTAP

Exercises
• Using the NetApp Console for basic administration of Cloud Volumes ONTAP
• Administering the NetApp Console with RBAC

**Module 6: Protection**

Lessons
• Backup, archive, and disaster recovery
• Ransomware protection

Exercises
• Using ransomware protection
• Setting up ARP
• Configuring and managing disaster recovery in the data fabric

**Module 7: Tiering**

Lessons
• Data tiering from on-premises to Amazon S3

Exercises
• Tiering data to Amazon S3

## Session Dates

| Date | Location | Time Zone | Language | Type | Guaranteed | PRICE |
|---|---|---|---|---|---|---|
| 25 Feb 2027 | Virtual Classroom (CET / UTC +1) | CET | English | Instructor Led Online | | €2,000.00 |
| 20 May 2027 | Virtual Classroom (CET / UTC +1) | CEDT | English | Instructor Led Online | | €2,000.00 |
| 05 Aug 2027 | Virtual Classroom (CET / UTC +1) | CEDT | English | Instructor Led Online | | €2,000.00 |
| 25 Nov 2027 | Virtual Classroom (CET / UTC +1) | CET | English | Instructor Led Online | | €2,000.00 |

## Additional Information

This training is also available as onsite training. Please contact us to find out more.