



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Du kan nå oss här**

Kronborgsgränd 7, 164 46 Kista

Email: [edu.ecs.se@arrow.com](mailto:edu.ecs.se@arrow.com)

Phone: +46 8 555 188 00



# Integrating Hybrid Clouds with Amazon Web Services

CODE:	LENGTH:	PRICE:
NEP_DF-HCL-I	16 Hours (2 days)	kr26,000.00

## 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

## Prerequisites

- 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)

## 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
02 Sep 2026	Virtual Classroom (GMT)	BST	English	Instructor Led Online		kr26,000.00
03 Nov 2026	Virtual Classroom (GMT)	GMT	English	Instructor Led Online		kr26,000.00

### Ytterligare information

Denna utbildning finns också som utbildning på plats. Kontakta oss för mer information.