



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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**Du kan nå oss her**

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# ONTAP Cluster Administration

<b>CODE:</b>	<b>LENGTH:</b>	<b>PRICE:</b>
NEP_OT-CLU-A	24 Hours (3 days)	kr28,950.00

## Description

In this course, you learn the basic administration tasks of a NetApp® ONTAP® 9.12 cluster. You use the clustershell and NetApp ONTAP System Manager to manage cluster storage and network resources. The course explains the configuration of basic data protection and data efficiency functions and common cluster maintenance tasks

## Objectives

- Define ONTAP cluster components
- Describe the role of a storage VM (storage virtual machine, also known as SVM) in the NetApp storage architecture
- Configure an ONTAP cluster
- Configure and manage storage resources
- Configure and manage networking resources
- Create and configure a storage VM
- Create, manage, and protect NetApp FlexVol® volumes
- Implement storage efficiency features
- Manage ONTAP administrator access and user accounts
- Maintain NetApp storage systems

## Audience

- Administrator
- Architect
- Operator

## Prerequisites

ONTAP Cluster, NAS and SAN Fundamentals elearning is required.

This is available free of charge via the NetApp Learning Center. Please contact us via the link below if further support is required..

### Contact Us

## Programme

- ONTAP deployment options
- The ONTAP cluster
- Storage VMs

### Module 1: NetApp ONTAP 9 Clusters

- Supported ONTAP cluster configurations
- Setting up a cluster
- Administration interfaces

Managing ONTAP clusters  
Managing ONTAP administrators

### Exercises

Configuring multi-admin verification

### Module 2: Cluster Setup

#### Exercises

Exploring ONTAP management UIs

### Module 3: Cluster Management

- Access control
- ONTAP licensing
- Policies and schedules
- NetApp ONTAP network review
- Network ports
- Network traffic segregation
- LIFs
- Nondisruptive LIF configuration
- Network security

### Exercises

Routing management

### Exercises

Managing physical and logical network resources

Managing virtual network resources

- Drives, RAID, and aggregates
- Advanced Disk Partitioning
- Flash Cache and Flash Pool features
- FabricPool aggregates
- Managing physical storage
- Exploring RAID-TEC
- Creating a Flash Pool aggregate
- Creating a FabricPool aggregate

### **Module 5: Physical Storage Management**

- Managing physical storage
- Exploring RAID-TEC
- Creating a Flash Pool aggregate
- Exercises** Creating a FabricPool aggregate

### **Module 6: Logical Storage Management**

Managing data volumes

- Exercises** Creating a FlexGroup volume

### **Module 7: Data Access**

- Configuring the NFS protocol in a storage VM
- Configuring the SMB protocol in a storage VM
- Configuring iSCSI in a storage VM
- Configuring NVMe in a storage VM
- Configuring the S3 protocol in a storage VM

- Use NAS protocols to access data
- Use SAN protocols to access data
- Use object protocols to access data

**Exercises** Managing NAS storage VMs

### **Module 8: Data Protection**

- Manage Snapshot copies
- Restore data from a Snapshot copy
- Back up and replicate data
- Compliance

Managing Snapshot copies

- Storage encryption
- Ransomware protection

Encrypting a volume

**Exercises** Enabling anti-ransomware protection **Module 9: Storage Efficiency**

- Thin provisioning
- Deduplication and compression
- Flash efficiency

Managing storage efficiency

- Logical space reporting
- Volume and file clones

**Exercises** Managing FlexClone volumes **Module 10: Cluster Maintenance**

- Data collection, monitoring, and automation tools
- Backing up and restoring your cluster configuration
- Upgrading your cluster
- Recommended practices for performance
- Technical support

**Exercises** Installing and configuring Active IQ Config Advisor

## **Follow on courses**

The following are suggested follow on courses..

- [OT-DPA - ONTAP Data Protection Administration](#)
- [OT-SANI - ONTAP SAN Implementation](#)
- [OT-SMB - ONTAP SMB Administration](#)

## **Test and Certification**

## **Session Dates**

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
19 Aug 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		kr28,950.00
23 Sep 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		kr28,950.00
07 Oct 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		kr28,950.00
11 Nov 2024	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		kr28,950.00
16 Dec 2024	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		kr28,950.00
13 Jan 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		kr28,950.00
17 Feb 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		kr28,950.00
17 Mar 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		kr28,950.00
07 Apr 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
19 May 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
16 Jun 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
14 Jul 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
18 Aug 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
15 Sep 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
13 Oct 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		kr28,950.00
10 Nov 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		kr28,950.00
15 Dec 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		kr28,950.00

## Tilleggsinformasjon

Denne treningen er også tilgjengelig som trening på stedet. Kontakt oss for å finne ut mer.