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Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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NetApp   ONTAP Cluster Administration

CODE:	LENGTH:	PRICE:
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 • Software-defined storage   **Module 2: Cluster Setup**

Module 3: Cluster Management

• Supported ONTAP cluster configurations   • Access control
• Setting up a cluster   • ONTAP licensing
• Administration interfaces   **Exercises** Exploring ONTAP management UIs • Policies and schedules
• NetApp ONTAP network review
• Network ports
• Network traffic segregation
• LIFs
Managing ONTAP clusters   • Nondisruptive LIF configuration
Managing ONTAP administrators   • Network security
Exercises Configuring multi-admin verification **Module 4:Network management** • Routing management   **Exercises**

Managing physical and logical network resources
Managing virtual network resources **Module 5:Physical Storage Management**
• Drives, RAID, and aggregates   Managing physical storage
• Advanced Disk Partitioning   Exploring RAID-TEC
• Flash Cache and Flash Pool features   Creating a Flash Pool aggregate
• FabricPool aggregates   **Exercises** Creating a FabricPool aggregate   **Module 6: Logical Storage Management**
• Managing physical storage
• Exploring RAID-TEC
• Creating a Flash Pool aggregate   Managing data volumes
• Creating a FabricPool aggregate **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
• Use NAS protocols to access data   Configuring NVMe in a storage VM
• Use SAN protocols to access data   Configuring the S3 protocol in a storage VM
• 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   Encrypting a volume
• Ransomware protection   **Exercises** Enabling anti-ransomware protection   **Module 9: Storage Efficiency**
• Thin provisioning
• Deduplication and compression
• Flash efficiency
• Logical space reporting   Managing storage efficiency
• 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

Tilleggsinformasjon

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