Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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ONTAP 9.10 Cluster Administration

CODE:	LENGTH:	PRICE:
NEP_OT-CLU-A9.10	24 Hours (3 days)	€2,850.00

Description

In this course, you learn the basic administration tasks of a NetApp® ONTAP® 9.10 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

This course focuses on enabling you to do the following:

• Define NetApp 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

- Network Engineers
- Channel Partners
- System Engineers
- NetApp Customers

Prerequisites

The Web Based Training courses below are recommended. These are free of charge and provided by NetApp.
• ONTAP Cluster Fundamentals (Web-based training [WBT])
• ONTAP NAS Fundamentals (WBT)
• ONTAP SAN Fundamentals (WBT)
For further support, please complete the information on the link below and a member of the Arrow NetApp team will be in contact to support you.
https://edu.arrow.com/uk/contact-us/

Programme

Module 0: Welcome

Module 1: NetApp ONTAP 9 clusters
• ONTAP deployment options
• The ONTAP cluster
• Storage VMs
• Software-defined storage

Module 2:Cluster setup
• Supported ONTAP cluster configurations
• Setting up a cluster
• Administration interfaces

Module 3:Cluster management
• Access control
• ONTAP licensing
• Policies and schedules

Module 4:Network management
• NetApp ONTAP network review
• Network ports
• Network traffic segregation
• LIFs
• Nondisruptive LIF configuration
• Network security
• Routing management

Module 5:Physical storage management
• Drives, RAID, and aggregates
• Advanced Disk Partitioning
• Flash Cache and Flash Pool features
• FabricPool aggregates

Module 6: Logical storage management
• Flexible volumes
• FlexGroup volumes
• FlexCache volumes
• Moving storage resources

Module 7:Data access
• Using NAS protocols to access data
• Using SAN protocols to access data
• Use object protocols to access data

Module 8:Data protection
• Manage Snapshot copies
• Restore data from a Snapshot copy
• Back up and replicate data
• Compliance
• Storage encryption
• Ransomware protection

Module 9: Storage efficiency
• Thin provisioning
• Deduplication and compression
• Flash efficiency
• Logical space reporting
• Volume and file clones

Module 10:Cluster maintenance
• Data collection, monitoring, and automation tools
• Backing up and restoring your cluster configuration
• Upgrading your cluster
• Recommended practices for performance

Follow on courses

The following courses are recommended..

- ONTAP Data Protection Administration
- ONTAP SAN Implementation
- ONTAP SMB Administration
- ONTAP NFS Administration

Test and Certification

This course is part of the following certifications:

- NetApp Certified Storage Installation Engineer (NCSIE)
- NetApp Certified Data Administrator (NCDA)

Session Dates

On request. Please Contact Us

Additional Information

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