∧⊓⊓W | Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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NetApp   ONTAP 9.9.1 Cluster Administration

CODE:	**LENGTH:**	**PRICE:**
NEP_OT-CLU-A 9.9.1	24 Hours (3 days)	£2,475.00

Description

In this course, you learn the basic administration tasks of a NetApp® ONTAP® 9.9 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

- ONTAP Cluster Fundamentals (Web-based training [WBT])

- Introduction to Networking in Clustered Data ONTAP (WBT)

- ONTAP NAS Fundamentals (WBT)

- ONTAP SAN Fundamentals (WBT)

Please note that these free of charge courses are accessed via the NetApp Learning Centre. A NetApp id will be required to access this site. See link below..
  NetApp Learning Centre

Programme

Module 1: NetApp ONTAP 9 Clusters

- ONTAP deployment option
- The Cluster
- Storage Virtual Machine's (SVMs)

Module 2: Cluster Setup

- Supported All Flash FAS and FAS configurations
- Setting up a Cluster
- Administration Interfaces

Module 3: Cluster Management

- Access control
- Date and Time
- Licenses
- Policies, Jobs and Schedules

Module 4: Network Management

- NetApp ONTAP Network Review
- Network Ports
- Network Traffic Segregation
- IFs
- Nondisruptive LIF configuration
- Routing Management

Module 5: Physical Storage Management

- Drives, RAID and Aggregates
- Advanced Drive Partitioning
- Flash Cache and Flash Pool
- FabricPool Aggregates

Module 6: Logical Storage Management

- Flexible Volumes
- Provisioning Storage Resources
- Moving Storage Resources

Module 7: Data Access

- Using NAS Protocols to Access Data
- Use SAN Protocols to Access Data

Module 8: Data Protection

- Manage Snapshot Copies
- Restore Data from a Snapshot Copy
- Backup and Replicate Data
- Compliance
- Storage Encryption

Module 9: Storage Efficiency

- Thin Provisioning
- Deduplication and Compression
- Flash Efficiency
- FlexClone Volumes

Module 10: Cluster Maintenance

- Data collection, Monitoring and Automation Tools
- Backing up and Restore Cluster Configuration
- Upgrading your Cluster
- Performance Recommended Practices
- Technical Support
- Documentation

Module 11: Course Review   ONTAP9ADM Labs:

- Exploring ONTAP Management UIs
- Managing ONTAP clusters and administrators
- Managing physical and logical network resources
- Managing virtual network resources
- Managing physical storage
- Exploring RAID-TEC and creating a flash pool
- Managing data volumes
- Configuring NAS protocols in an SVM
- Configuring iSCSI in an SVM
- Managing Snapshot copies
- Encrypting a volume
- Managing storage efficiency
- Managing FlexClone volumes
- Bonus Exercise: creating a FlexGroup volume
- Installing and configuring Config Advisor

Follow on courses

The following 2 day course below is recommended..   OT-DPA 9.9.1 Data Protection Administration

Test and Certification

This course is part of the following certification..

- NetApp Certified Data Administrator ONTAP (NCDA)

Further details of NetApp certification can be found in the link below..   NetApp Certification Details

Session Dates

On request. Please Contact Us

Additional Information

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