

ONTAP Cluster Administration

Duration: 3 Days Course Code: NEP_OT-CLU-A Delivery Method: Virtual Learning

Overview:

In this course, you learn the basic administration tasks of a NetApp® ONTAP® 9.16 cluster. Use the clustershell and NetApp ONTAP System Manager to manage cluster storage and network resources. Discover how to configure basic data protection and data efficiency functions and common cluster maintenance tasks.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

Administrator Architect Operator

Objectives:

- This course focuses on enabling you to do the following:
- 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 both networking and storage 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
- Manage NetApp storage systems

Prerequisites:

- ONTAP Cluster Fundamentals (web-based training [WBT]) or ONTAP Cluster Foundation (ILT)
- · ONTAP NAS Fundamentals (WBT)
- · ONTAP SAN Fundamentals (WBT)

Follow-on-Courses:

The following courses are recommended...

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

Content:

Contont.		
Module 0 - Welcome	Module 5: Storage Efficiency	Module 8: SAN Data Access
Module 1: NetApp ONTAP 9 Clusters ONTAP deployment options	Thin provisioningDeduplication and compressionFlash efficiencyVolume and file clones	 Use SAN protocols to access data Use the iSCSI protocol to access data Use the FC protocol to access data Use the NVMe protocol to access data
The ONTAP clusterStorage VMsSoftware-defined storage	Exercises	Exercises
Module 2: Cluster Setup	Managing storage efficiency	Configuring iSCSI in a storage VM
Supported ONTAP cluster configurationsSetting up a clusterAdministration interfacesONTAP licences	Managing FlexClone volumes	Configuring NVMe in a storage VM
Policies and Schedules	Module 6: Network Management	Module 9: Data Protection
Exercises	ONTAP network reviewNetwork portsNetwork traffic segregation	Manage Snapshot copiesRestore data from a Snapshot copyBack up and replicate data
Deploying an ONTAP cluster	Logical network interfacesNondisruptive LIF configuration	Compliance
Exploring ONTAP management UIs	Routing management Exercises	Exercises
Module 3: Physical Storage Management		Managing Snapshot copies
 Drives, RAID, and aggregates Advanced Disk Partitioning Flash Cache and Flash Pool features 	Managing physical and logical network resources	Module 10: ONTAP Security Access control
FabricPool aggregates	Managing virtual network resources	Storage encryption Ransomware protection
Exercises	Module 7: NAS Data Access	Exercises
Managing physical storage	 Use NAS protocols to access data Use the NFS protocol to access data Use the SMB protocol to access data 	Managing ONTAP Administrators
Exploring RAID-TEC	Use the S3 protocol to access data	Module 11: Cluster maintenance
Module 4:Logical Storage Management	Exercises	Data collection, monitoring, and automation tools
Flexible volumesMoving storage resourcesFlexGroup volumes	Monitoring with ONTAP File System Analytics	Upgrading your clusterTechnical support
■ FlexCache volumes	Configuring the NFS protocol in a storage VM	Exercises
Exercises	Configuring the SMB protocol in a storage VM	Installing and configuring Active IQ Config Advisor
Managing data volumes	Configuring the S3 protocol in a storage VM	
Creating a FlexGroup volume		

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931 info@globalknowledge.co.uk

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