



TRAINING OFFERING

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ONTAP Cluster Administration

CODE:	LENGTH:	PRICE:
NEP_OT-CLU-A	24 Hours (3 days)	£2,660.00

Description

Learn the basic administration tasks of a NetApp® ONTAP® 9.14 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

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 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

Audience

- Administrator
- Architect
- Operator

Prerequisites

ONTAP Cluster Fundamentals, 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

- Supported ONTAP cluster configurations
- Setting up a cluster
- Administration interfaces
- ONTAP licences
- Policies and Schedules

Module 3: Physical Storage Management

- Drives, RAID, and aggregates
- Advanced Disk Partitioning
- Flash Cache and Flash Pool features
- FabricPool aggregates

Deploying an ONTAP cluster
Exploring ONTAP management UIs
Exercises Configuring ONTAP Clusters

Managing physical storage
Exercises Exploring RAID-TEC

	<ul style="list-style-type: none"> • Flexible volumes • Moving storage resources • FlexGroup volumes 	Managing data volumes
Module 4: Logical Storage Management	<ul style="list-style-type: none"> • FlexCache volumes • Thin provisioning • Deduplication and compression • Flash efficiency 	Exercises Creating a FlexGroup volume
Module 5: Storage Efficiency	<ul style="list-style-type: none"> • Volume and file clones • ONTAP network review • Network ports • Network traffic segregation • Logical network interfaces • Nondisruptive LIF configuration • Network security 	Managing storage efficiency Exercises Managing FlexClone volumes
Module 6: Network Management	<ul style="list-style-type: none"> • Routing management • Use NAS protocols to access data • Use the NFS protocol to access data • Use the SMB protocol to access data 	Managing physical and logical network resources Exercises Managing virtual network resources Monitoring with ONTAP File System Analytics Configuring the NFS protocol in a storage VM Configuring the SMB protocol in a storage VM
Module 7: NAS Data Access	<ul style="list-style-type: none"> • Use the S3 protocol to access data • Use SAN protocols to access data • Use the iSCSI protocol to access data • Use the FC protocol to access data 	Exercises Configuring the S3 protocol in a storage VM Configuring iSCSI in a storage VM
Module 8: SAN Data Access	<ul style="list-style-type: none"> • Use the NVMe protocol to access data • Manage Snapshot copies • Restore data from a Snapshot copy • Back up and replicate data 	Exercises Configuring NVMe in a storage VM
Module 9: Data Protection	<ul style="list-style-type: none"> • Compliance • Access control • Storage encryption 	Exercises Managing Snapshot copies
Module 10: ONTAP Security	<ul style="list-style-type: none"> • Ransomware protection • Data collection, monitoring, and automation tools • Upgrading your cluster 	Exercises Managing ONTAP Administrators
Module 11: Cluster maintenance	<ul style="list-style-type: none"> • Technical support 	Exercises
Installing and configuring Active IQ Config Advisor		

Test and Certification

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
16 Dec 2024	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00 £2,128.00
16 Dec 2024	Arrow ECS Harrogate	GMT	English	Instructor Led Online		£2,660.00
13 Jan 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00
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17 Mar 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00
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Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)