

Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS B.V., Kromme Schaft 5, 3991 AR Houten, The Netherlands

Email: education.ecs.nl@arrow.com Phone: +31 20 582 6109

■ NetApp Cluster Administration

CODE: LENGTH: PRICE:

NEP_OT-CLU-A 24 Hours (3 days) €2,850.00

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 Modu

Module 2: Cluster Setup

• Supported ONTAP cluster configurations

Deploying an ONTAP cluster

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

Module 3: Physical Storage Management

• Drives, RAID, and aggregates

Advanced Disk Partitioning

Exploring ONTAP management Uls • Flash Cache and Flash Pool features

• FabricPool aggregates

Managing physical storage **Exercises** Exploring RAID-TEC

Exercises Configuring ONTAP Clusters

Page 2 of 4

- Flexible volumes
- Moving storage resources
- FlexGroup volumes Managing data volumes **Exercises** Creating a FlexGroup volume

Module 4:Logical Storage Management • FlexCache volumes · Thin provisioning

• Deduplication and compression

 Flash efficiency Managing storage efficiency **Module 5: Storage Efficiency •** Volume and file clones **Exercises** Managing FlexClone volumes

• ONTAP network review

Network ports

• Network traffic segregation

· Logical network interfaces

Nondisruptive LIF configuration

 Network security Managing physical and logical network resources

Module 6: Network Management • Routing management

Exercises Managing virtual network resources · Use NAS protocols to access data Monitoring with ONTAP File System Analytics · Use the NFS protocol to access data Configuring the NFS protocol in a storage VM

• Use the SMB protocol to access data

Configuring the SMB protocol in a storage VM

· Use SAN protocols to access data

· Use the iSCSI protocol to access data

 Use the FC protocol to access data Configuring iSCSI in a storage VM

Module 8: SAN Data Access • Use the NVMe protocol to access data Exercises Configuring NVMe in a storage VM

Manage Snapshot copies

Restore data from a Snapshot copy

• Back up and replicate data

Module 9: Data Protection • Compliance

Exercises Managing Snapshot copies

Access control

Storage encryption

Module 10: ONTAP Security • Ransomware protection Exercises Managing ONTAP Administrators

· Data collection, monitoring, and automation tools

Upgrading your cluster

Module 11: Cluster maintenance • Technical support

Exercises

Installing and configuring Active IQ Config Advisor

Test and Certification

Session Dates

Date	Location	Time Zone	Language	Туре	Guaranteed	PRICE
16 Dec 2024	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00
13 Jan 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00
17 Feb 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00
17 Mar 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00
07 Apr 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
19 May 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
16 Jun 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
14 Jul 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
18 Aug 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
15 Sep 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
13 Oct 2025	Virtual Classroom (GMT / UTC)	BST	English	Instructor Led Online		€2,850.00
10 Nov 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00
15 Dec 2025	Virtual Classroom (GMT / UTC)	GMT	English	Instructor Led Online		€2,850.00

Additional Information

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