



## TRAINING OFFERING

---

**You can reach us at:**

Arrow ECS, Nidderdale House, Beckwith Knowle, Harrogate, HG3 1SA

Email: [educationteam.ecs.uk@arrow.com](mailto:educationteam.ecs.uk@arrow.com)

Phone: 0870 251 1000



# ONTAP Cluster Administration

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

## Description

In this course, you learn the basic administration tasks of a NetApp® ONTAP® 9.11 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

- 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 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

NetApp Customers, Partners & Employees

## Prerequisites

ONTAP NAS, SAN and Cluster Fundamental elearning is required. This is available free of charge via the NetApp Learning Center. Please contact us if further support is required..

[Contact Us](#)

## Programme

		<ul style="list-style-type: none"> <li>• ONTAP deployment options</li> <li>• The ONTAP cluster</li> <li>• Storage VMs</li> </ul>	
<b>Module 0 - Welcome</b>	<b>Module 1: NetApp ONTAP 9 clusters</b>	• Software-defined storage	<b>Module 2: Cluster setup</b>
	<b>Module 3: Cluster management</b>		
<ul style="list-style-type: none"> <li>• Supported ONTAP cluster configurations</li> <li>• Setting up a cluster</li> <li>• Administration interfaces</li> <li>• NetApp ONTAP network review</li> <li>• Network ports</li> <li>• Network traffic segregation</li> <li>• LIFs</li> <li>• Nondisruptive LIF configuration</li> <li>• Network security</li> <li>• Routing management</li> </ul>	<ul style="list-style-type: none"> <li>• Access control</li> <li>• ONTAP licensing</li> <li>• Policies and schedules</li> </ul>		<b>Module 4: Network management</b>
	<b>Module 5: Physical storage management</b>	• FabricPool aggregates	<ul style="list-style-type: none"> <li>• Drives, RAID, and aggregates</li> <li>• Advanced Disk Partitioning</li> <li>• Flash Cache and Flash Pool features</li> </ul>

- Flexible volumes
- FlexGroup volumes
- FlexCache volumes

**Module 6: Logical storage management** • Moving storage resources **Module 7: Data access**

- Use NAS protocols to access data
- Use SAN protocols to access data
- Use object protocols to access data

- Manage Snapshot copies
- Restore data from a Snapshot copy
- Back up and replicate data
- Compliance
- Storage encryption
- Ransomware protection

**Module 8: Data protection**

- Thin provisioning
- Deduplication and compression
- Flash efficiency
- Logical space reporting

**Module 9: Storage efficiency** • Volume and file clones

- Data collection, monitoring, and automation tools
- Backing up and restoring your cluster configuration
- Upgrading your cluster
- Recommended practices for performance
- Technical support
- Documentation

**Module 10: Cluster maintenance**

**Module 11: Course review and postclass assessment**

**Follow on courses**

The following are suggested follow on courses..

- [OT-DPA - ONTAP Data Protection Administration](#)
- [OT-SANI - ONTAP SAN Implementation](#)
- [OT-SMB - ONTAP SMB Administration](#)

**Test and Certification**

This course supports part of the following NetApp certifications:

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

**Session Dates**

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
22 May 2023	Virtual Classroom	BST	English	Instructor Led Online	Yes	£2,660.00
05 Jun 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,660.00
10 Jul 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,660.00
31 Jul 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,660.00
25 Sep 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,660.00
23 Oct 2023	Virtual Classroom	BST	English	Instructor Led Online		£2,660.00
20 Nov 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00
04 Dec 2023	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00

**Additional Information**

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