



**Enterprise Computing Solutions - Education Services**

## **TRAINING OFFERING**

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# ONTAP Performance Administration

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

## Description

Learn how to collect and analyze system performance data from NetApp® storage systems that run NetApp ONTAP® 9 software. You learn how to interpret data and how to identify and implement changes that improve system efficiency. You also learn how to use system commands and features to monitor and enhance storage system performance. You learn from hands-on exercises, case studies, and technical discussions.

## Objectives

This course focuses on enabling you to do the following:

- Describe how to use NetApp tools for performance measurement
- Describe the layers within the ONTAP architecture
- Diagram the flow of read and write requests through the network and data layers of ONTAP software
- Discuss how storage quality of service (QoS) operates in an ONTAP cluster
- Explain how to monitor and manage workload performance
- Use the performance analysis tools to identify NAS and SAN performance obstacles

## Audience

Administrators & Architects

## Programme

		• FAS/AFF system architecture
<b>Module 1: NetApp Storage System Architecture</b>		• Read and write paths
		• Performance concepts
<b>Module 2: Performance Analysis Fundamentals</b>		• Workloads
		• Performance analysis tools
		• Identifying network performance issues
		• Using Active IQ Unified Manager
<b>Module 4: Network Layer</b>		• Resolving network I/O performance issues
		• SAN overview
		• SAN multipathing
		• SAN load balancing
		• SAN I/O misalignment
<b>Module 5: NAS Protocols</b>		• Network I/O bottlenecks
		• Network Attached Storage
		• Identifying NAS performance issues
		• Resolving NAS performance issues
<b>Module 6: SAN Protocols</b>		• Queue depth
		• Storage subsystem hardware
		• Identifying storage performance issues
<b>Module 7: WAFL Layer</b>		• Resolving WAFL performance issues
<b>Module 8: Storage Layer</b>		• Identifying storage performance issues
		• Cache subsystems
		• Flash Cache
		• Flash Pool
		• Cache policies
<b>Module 9: Cache Subsystem</b>		• Cache sizing
<b>Module 10: Storage Quality of Service</b>		• CPU subsystem
		• Memory subsystem
		• Managing System Performance with QoS
		• Monitoring storage QoS
		• Performance service levels
<b>Module 11: CPU and Memory</b>		• Resolving WAFL performance issues
		• Virus Scanning
<b>Module 12: External Resources</b>		• File access policies

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Dec 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,660.00
15 Dec 2025	Arrow ECS Harrogate	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.](#)