



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow Enterprise Computing Solutions Ltd, Part 1st Floor, Suite 1D/1, Central House, Otley Road, Harrogate, HG3 1UG

Email: education.ecs.baltic@arrow.com
Phone: 0870 251 1000



ONTAP Performance Administration

CODE:	LENGTH:	PRICE:
NEP_OT-PERFADM	24 Hours (3 days)	€2,850.00

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

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Dec 2025	Virtual Classroom (GMT / UTC)		English	Instructor Led Online		€2,850.00

Additional Information

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