

ONTAP Performance Administration

Duration: 3 Days Course Code: NEP_OT-PERFADM

Overview:

English - Please note this course is only available in English.

Nederlands - Let op: deze training is alleen in het Engels beschikbaar.

Français - Veuillez noter que ce cours est uniquement disponible en anglais.

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.

Target Audience:

Administrators & Architects

Objectives:

- • 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
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Content:

Module 1: NetApp Storage System Architecture	• Network I/O bottlenecks	• Cache subsystems
• FAS/AFF system architecture	Module 6: SAN Protocols	• Flash Cache
• Read and write paths	• SAN overview	• Flash Pool
Module 2: Performance Analysis Fundamentals	• SAN multipathing	• Cache policies
• Performance concepts	• SAN load balancing	• Cache sizing
• Workloads	• SAN I/O misalignment	Module 10: Storage Quality of Service
Module 3: Performance Analysis Tools	• Queue depth	• Managing System Performance with QoS
• Performance analysis tools	Module 7: WAFL Layer	• Monitoring storage QoS
• Using Active IQ Unified Manager	• WAFL functions	• Performance service levels
Module 4: Network Layer	• WAFL readahead	Module 11: CPU and Memory
• Identifying network performance issues	• Resolving WAFL performance issues	• CPU subsystem
• Resolving network I/O performance issues	Module 8: Storage Layer	• Memory subsystem
Module 5: NAS Protocols	• Storage subsystem hardware	• Resolving WAFL performance issues
• Network Attached Storage	• Identifying storage performance issues	Module 12: External Resources
• Identifying NAS performance issues	• Identifying storage performance issues	• Virus Scanning
• Resolving NAS performance issues	Module 9: Cache Subsystem	• File access policies

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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www.globalknowledge.com/en-be/