ONTAP Performance Administration

Cursusduur: 3 Dagen **Cursuscode: NEP_OT-PERFADM** **Trainingsmethode: Virtual Learning**

Beschrijving:

English - Please note this course is only available in English.
Nederlands - Let op: deze training is alleen in het Engels beschikbaar.
Franais - 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.

Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor)of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

Doelgroep:

Administrators & Architects

Doelstelling:

- • 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

Cursusinhoud:

Module 1: NetApp Storage System Architecture

• FAS/AFF system architecture

• Read and write paths

Module 2: Performance Analysis Fundamentals

• Performance concepts

• Workloads

Module 3: Performance Analysis Tools

• Performance analysis tools

• Using Active IQ Unified Manager

Module 4: Network Layer

• Identifying network performance issues

• Resolving network I/O performance issues

Module 5: NAS Protocols

• Network Attached Storage

• Identifying NAS performance issues

• Resolving NAS performance issues

• Network I/O bottlenecks

Module 6: SAN Protocols

• SAN overview

• SAN multipathing

• SAN load balancing

• SAN I/O misalignment

• Queue depth

Module 7:WAFL Layer

• WAFL functions

• WAFL readahead

• Resolving WAFL performance issues

Module 8: Storage Layer

• Storage subsystem hardware

• Identifying storage performance issues

• Identifying storage performance issues

Module 9: Cache Subsystem

• Cache subsystems

• Flash Cache

• Flash Pool

• Cache policies

• Cache sizing

Module 10: Storage Quality of Service

• Managing System Performance with QoS

• Monitoring storage QoS

• Performance service levels

Module 11: CPU and Memory

• CPU subsystem

• Memory subsystem

• Resolving WAFL performance issues

Module 12: External Resources

• Virus Scanning

• File access policies

Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

info@globalknowledge.nl

www.globalknowledge.com/nl-nl/

Iepenhoeve 5, 3438 MR Nieuwegein