ONTAP Troubleshooting - Partners

Cursusduur: 4 Dagen **Cursuscode: NEP_OT-TS-P** **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.
Français - Veuillez noter que ce cours est uniquement disponible en anglais.

In this Partner-only course, you increase your proficiency as a NetApp® ONTAP® software engineer by learning how to troubleshoot ONTAP environments. Specifically, you learn how to troubleshoot the management component, scale-out networking, NAS protocols (NFS and SMB), and SAN protocols (iSCSI). From lectures, demonstrations, and active exercises, you learn how to isolate issues, verify configurations, view logs, view trace messages, and use event management system messages for troubleshooting.

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:

NetApp Technical Support Engineers
NetApp Support Services Certified Partner Engineers
NetApp Professional Services Engineers

Doelstelling:

- Describe the different software components in the ONTAP architecture
- Describe the methodologies for troubleshooting management component applications, networks, and protocols
- Use troubleshooting workflows to identify failure symptoms, determine potential causes, and resolve issues
- Use debugging commands, logs, and tools to identify, isolate, and fix complex technical issues that involve different core components
- Check the health of a cluster and summarize the results
- Identify issues with the management component
- Use administrative commands to verify the configuration of NFS, SMB, and iSCSI
- Use the troubleshooting methodology for NFS, SMB, and iSCSI to define and isolate issues
- Locate logs for the management component, network, NFS, SMB, and iSCSI protocols
- Collect data for support cases

Vereiste kennis en vaardigheden:

A working knowledge of ONTAP software and NAS and SAN protocol in addition to the 3 day Cluster Administration class

Cursusinhoud:

Module 1: Troubleshooting the Management Component

Management component

RDB Concepts: Units, Quorum, Master, Epoch and Epsilon

Configuration and replication databases

Job manager

RDB backup and recovery

Non-RDB user-space applications

Event management system, logs, traces and user-space core files

Module 2: Troubleshooting Scale-out Networking

ONTAP networking overview

Networking-related management component application and databases

Networking evolution

Cluster session manager

Tools to triage networking issues

Troubleshooting scenarios

Module 3: Troubleshooting Network Component and Security Services

Network component

SecD

SecD troubleshooting

Network component troubleshooting

Module 4: Troubleshooting NFS

NFS Overview

How NFS works in ONTAP software

ONTAP NFS authorization using export policies and UNIX permissions

Export-related caches

NFS troubleshooting

Module 5: Troubleshooting SMB

SMB

SMB services

SMB troubleshooting

Module 6: Troubleshooting Scalable SAN

SAN architecture

Scalable SAN configuration

Scalable SAN functional components

CLAM quorum

Scalable SAN troubleshooting

Nadere informatie:

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

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