

ONTAP Troubleshooting - Partners

Cursusduur: 4 Dagen Cursuscode: NEP_OT-TS-P

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.

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	Cluster session manager	Export-related caches
Management component	Tools to triage networking issues	NFS troubleshooting
RDB Concepts: Units, Quorum, Master, Epoch and Epsilon	Troubleshooting scenarios	Module 5: Troubleshooting SMB
Configuration and replication databases	Module 3: Troubleshooting Network Component and Security Services	SMB
Job manager	Network component	SMB services
RDB backup and recovery	SecD	SMB troubleshooting
Non-RDB user-space applications	SecD troubleshooting	Module 6: Troubleshooting Scalable SAN
Event management system, logs, traces and user-space core files	Network component troubleshooting	SAN architecture
Module 2: Troubleshooting Scale-out Networking	Module 4: Troubleshooting NFS	Scalable SAN configuration
ONTAP networking overview	NFS Overview	Scalable SAN functional components
Networking-related management component application and databases	How NFS works in ONTAP software	CLAM quorum
Networking evolution	ONTAP NFS authorization using export policies and UNIX permissions	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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