

ST233c-EN ONTAP Troubleshooting

Kurzbeschreibung:

Analyse and identify Hardware- and Configuration issues

Zielgruppe:

Experience NetApp Partner employees

Voraussetzungen:

NCDA certification and several years of ONTAP experience is absolutely necessary.

Sonstiges:

Dauer: 5 Tage

Preis: 4700 Euro plus Mwst.

Ziele:

In this workshop the students learn methods to analyse hard- and software problems and how to use tools to check the system configuration.

Inhalte/Agenda:

- ◆ ONTAP Troubleshooting
 - ◆ ◇ Clustershell Tipps and Tricks
 - ◆ ◇ Systemshell and FreeBSD
 - ◆ ◇ Kernel modules and Cluster Services
 - ◆ ◇ Essential Processes and Watchdog Daemon
 - ◆ ◇ Replicated Databases, Epsilon and Quorum
 - ◆ ◇ Configuration Databases
 - ◆ ◇ Job Manager and Scheduling
 - ◆ ◇ SK (simple kernel)
 - ◆ ◇ Logs and Traces

- ◆ Network Troubleshooting
 - ◆ ◇ Ports (physical, IFGRP, VLAN)
 - ◆ ◇ LIFs (Backend and Frontend)
 - ◆ ◇ IPspaces, Broadcast Domains and Failover Groups
 - ◆ ◇ Firewall policies
 - ◆ ◇ Multitenancy with DNS, AD, NIS and LDAP
 - ◆ ◇ Cluster Interconnect and Cluster Session Manager (CSM)

- ◆ Troubleshooting of NAS protocols:
 - ◆ ◇ SecD, Authentication and Usermapping (multiprotocol)
 - ◆ ◇ important Caches
 - ◆ ◇ NFS Services and configuration
 - ◆ ◇ NFS Filehandles
 - ◆ ◇ CIFS Services and configuration
 - ◆ ◇ User permissions
 - ◆ ◇ sectrace

- ◆ Troubleshooting of SAN protocols:
 - ◆ ◇ MPIO and ALUA
 - ◆ ◇ Selective LUN mapping
 - ◆ ◇ bcomd and other Internals
 - ◆ ◇ Logs and Traces