

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