

ST960c NetApp SAN Implementation incl. Brocade

Kurzbeschreibung:

Setup of a SAN Environment with ONTAP as a preparation for the NCIE SAN Certification

Zielgruppe:

SAN- / NetApp Administrators

Voraussetzungen:

Basic ONTAP knowledge is required.

Sonstiges:

Dauer: 5 Tage

Preis: 4500 Euro plus Mwst.

Ziele:

After this workshop the student should be able to set up a Storage Area Network with ONTAP. Although the student will know how to connect servers to the SAN.

Basic ONTAP knowledge is required.

Inhalte/Agenda:

- SAN (FC, FCoE and iSCSI)
 - ◆ Components
 - ◆ Topologies
 - ◆ Terms
 - ◆ Zoning
 - ◆ LUN-Masking/-Mapping
- Overview FC-NVMe
 - ◆ Configuration NetApp
 - ◆ Configuration Server
- Brocade FC Switch Administration (8/16/32 Gb)
 - ◆ Initial Setup
 - ◆ Zoning (CLI, GUI)
- ONTAP 8.3 / 9.x SAN Configuration
 - ◆ FC/IP SAN Setup
 - ◇ Licensing
 - ◇ Storage Provisioning
 - ◇ SVMs (Vserver)
 - ◇ HBA Management
 - ◇ LIFs
 - ◇ LUNs
 - ◇ Initiator Groups
 - ◇ Portsets
- HBAs: (Brocade)/Emulex/QLogic
 - ◆ Installation
 - ◆ Diagnose
 - ◆ GUI
- Connecting Windows/VMware/Linux Servers via FC (in practice) and iSCSI (in theory)
 - ◆ Requirements
 - ◆ Multipathing with ALUA
 - ◆ SCSI Command Queue
 - ◆ Supported configurations
 - ◆ Software Installation (Drivers, Tools)
 - ◆ Administration of disks with SnapDrive
- **SAN Troubleshooting**
- SAN Performance - A700 with 32 Gbit FC