

ST260c-EN 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
- Support and service staff

Voraussetzungen:

In order to be able to follow the course content and learning pace in the workshop **ST260c-EN NetApp SAN Implementation incl. Brocade**, basic ONTAP knowledge and basic knowledge of at least one of the server operating systems is required

Sonstiges:

Dauer: 5 Tage

Preis: 4700 Euro plus Mwst.

Ziele:

After the workshop **ST260c-EN NetApp SAN Implementation incl. Brocade** 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.

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 (16/32/64 Gb)**
 - ◆ ◇ FOS 8.x / 9.2.x
 - ◆ ◇ Initial Setup
 - ◆ ◇ Zoning (CLI, GUI)
 - ◆ ◇ Overview SANnav

- ◆ ONTAP 9.x SAN Configuration**
 - ◆ ◇ FC/IP SAN Setup
 - ◆ ◇ Licensing
 - ◆ ◇ Storage Provisioning
 - ◆ ◇ SVMs (Vserver)
 - ◆ ◇ HBA Management
 - ◆ ◇ LIFs
 - ◆ ◇ LUNs
 - ◆ ◇ Initiator Groups
 - ◆ ◇ Portsets

- ◆ HBAs: Emulex / QLogic**
 - ◆ ◇ Installation
 - ◆ ◇ Diagnose
 - ◆ ◇ GUI

- ◆ Connecting Windows/VMware/Linux Servers via FC (in practice) and iSCSI (as required)**
 - ◆ ◇ Requirements
 - ◆ ◇ Special features regarding servers with ONTAP
 - ◆ ◇ Multipathing with ALUA
 - ◆ ◇ SCSI Command Queue
 - ◆ ◇ Supported configurations
 - ◆ ◇ Software Installation (Drivers, Tools)

- ◆ SAN Troubleshooting**

- ◆ SAN Performance - A700 with 32 Gbit FC**