ST101-EN Brocade FOS 8.x / 9.x Admin Basics

Kurzbeschreibung:

SAN Basics with Brocade Switches

Zielgruppe:

System Administrators, Storage Administrators, SAN Administrators

Voraussetzungen:

Windows, Linux and/or VMware ESX Knowledge

Sonstiges:

Dauer: 5 Tage

Preis: 3950 Euro plus Mwst.

Ziele:

This workshop deals with the administration of an open SAN in theory and practice. After an introduction of the basic terms you are presented with an overview of the possible SAN topologies. The administration of the SAN is carried out according to operational aspects. The practical exercises deal with the setup, configuration and administration of a Brocade-based SAN switch.

The complex heterogeneous test environment consists of:
-Server : Windows, Linux and VMware
-Storage : NetApp Controller e.g. Highspeed AFF A700
-Switches: Brocade G720/ G620/ 6505/ 6510

After this workshop, the participants are able to set up and administer a SAN with respect to efficiency, security and manageability.

This training serves as a practical supplement for the "Brocade SAN Administrator" certification.

Inhalte/Agenda:

- ♦ **Definition SAN**

  ♦ **Brocade Products**
  - ◊ Switches 8/16/32/64 GB
    ◊ Brocade Support Link

  ♦ **FOS 9.0 – 9.2 Features:**
  - ◊ Traffic Optimizer (TO) (only Gen7)
    ◊ Fabric Congestion Notification
    ◊ New Web Tools
    ◊ Fabric Zone Locking
    ◊ Maintenance Account
    ◊ Flow Monitoring
    ◊ · sys_flow_monitor
      · Support für VF
      · VM Insight
      · VMID+
      · Real Time Hardware Violation Streaming
    ◊ MAPS: ·
    ◊ · FPI Profiles
      · Global Quiet Time
      · dflt_always_active_policy
      · Adaptive MAPS Notifications
    ◊ Introduction TruFOS certificate (9.1)
    ◊ Need for TruFOS certificates for all Gen6/7 Switches (9.2)
    ◊ Better integration of Cisco UCS
    ◊ Default Secure Configuration (9.2)
    ◊ Firmware Patch

  ♦ **Definition of terms**

  ♦ **Components / Basic Structures**
  - ◊ FC, Cabeling
    ◊ PTP, AL, Fabric
    ◊ Hub, Bridge, Switch
    ◊ Relation of System, Zone and LUN-Masking/-Mapping

  ♦ **Topology overview**

  ♦ **Brocade products and special features**

  ♦ **Short overview NVMe over FC**

  ♦ **Brocade Administration**
  - ◊ Command line
    ◊ Web tools
    ◊ Zoning

  ♦ **Server Connection**
  - ◊ HBAs Emulex
    ◊ HBAs qLogic
    ◊ Operating Systems Windows,LINUX and VMware

  ♦ **SAN Backup**

  ♦ **Service and maintenance of the components is not part of this training.**
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