

ST904 Brocade Switches Admin Advanced

Kurzbeschreibung:	Ziele:
Troubleshooting and maintenance of an open SAN	A central focus of the course is the monitoring, analysis and elimination of errors in the SAN. Practical examples are used to show how problems in the SAN can be proactively prevented and errors can be detected and eliminated. For this purpose, in-depth knowledge of the FC protocol is built up and the interrelationships and interaction of the individual components in the SAN are presented.
Zielgruppe:	The course provides practical exercises to help you understand log files, hardware diagnostic output and PortLog dumps. In the course of practical exercises the participant will get an understanding of how problems and performance bottlenecks in the SAN can be identified and if necessary eliminated.
Storage and SAN administrators, engineers and support staff	The presentation of security in the SAN and especially the implementation of advanced security like SCC, DCC and DHCHAP is another focus of the course.
Voraussetzungen:	The complex heterogeneous test environment consists of: -Server : Windows, Linux or VMware -Storage : NetApp controller e.g. Highspeed AFF A700 -Switches: Brocade G720/ G620/ 6505/ 6510
Attendance of the Workshop "ST901 Brocade Switches Admin Basics" or comparable knowledge is absolutely necessary.	Termine
Sonstiges:	Will be scheduled on request Please let us know here , when you prefer to have this workshop!
Dauer: 5 Tage	
Preis: 3950 Euro plus Mwst.	

Inhalte/Agenda:

- Brocade Product Introduction
 - ◆ Hardware 8/16/32/64 GB Brocade Products
 - ◆ **FOS 9.x**
 - ◆ Brocade Support Link
- Overview on Brocade SANnav (BNA successor) and NVMe about FC
- SAN Design
- Installation and configuration
 - ◆ Initial configuration
 - ◇ Fabric Parameters
 - ◇ TimeServer
 - ◇ Syslog
 - ◆ Initial security settings
 - ◇ Password Rules
 - ◇ RBAC
 - ◇ LDAP
 - ◇ RADIUS
 - ◇ ACL's
 - ◇ IP filter
- Reporting and monitoring
 - ◆ Fabric Vision Technology
 - ◇ Definition
 - ◇ Components
 - MAPS
 - Flow Vision
 - ClearLink Diagnostics (D_Port)
 - ◇ SAN monitoring with SNMP
 - SNMP Components
 - SNMP Version Authentication
- Administration and maintenance
 - ◆ Backup/Restore of the switch configuration
 - ◆ Firmware Maintenance
 - ◆ Firmware Upgrade
- Advanced Zoning
 - ◆ Zoning Enforcement
 - ◆ Advanced Zoning Commands
 - ◆ Traffic Isolation Zoning
 - ◆ QoS Zoning
 - ◆ Peer Zoning
- Fibre Channel Theory
 - ◆ FC protocol architecture (FC-0 to FC-4)
 - ◆ Communication channels
- FC Routing
 - ◆ Principal Switch
 - ◆ Virtual Channel
 - ◆ FSPF Link Cost / DLS / IOD
 - ◆ Exchange Based Routing
 - ◆ Port Based Routing
 - ◆ FC-to-FC Routing (LSAN)
- Trunking
 - ◆ Functionality
 - ◆ Port Based Routing
 - ◆ Exchange Based Routing

- FC Long Distance
 - ◆ Distance Connectivity Options
 - ◆ Extended Fabric Configuration
 - ◆ E_Port Credit Recovery
 - ◆ Inflight Encryption and Compression
 - ◆ Diagnosis Port (D_Port)

- Troubleshooting
 - ◆ Switch Status Commands
 - ◆ Analysis of Switch Error Messages, Fabric-Log and PortlogDump
 - ◆ Procedure for firmware download and connectivity problems
 - ◆ Performance Analysis
 - ◆ HBA Configuration

- FOS Software Features
 - ◆ LSAN Zoning
 - ◆ Access Gateway

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Absender:
Firma: _____
Strasse: _____
PLZ/Ort: _____

Anmeldung zum Workshop ST904 Brocade Switches Admin Advanced

Termin: Von _____ bis _____
Dauer: 5 Tage
Preis: 3950 EUR + MWST. pro Teilnehmer

Teilnehmer 1:
Name: _____ Vorname: _____
Abteilung: _____
Telefon: _____ Mobil: _____
Telefax: _____
eMail: _____
eMail2: _____

Teilnehmer 2:
Name: _____ Vorname: _____
Abteilung: _____
Telefon: _____ Mobil: _____
Telefax: _____
eMail: _____
eMail2: _____

Hotelwunsch: Bitte zutreffendes Ankreuzen: Ja | Nein

An- Abreise Teilnehmer 1: Von _____ bis _____

An- Abreise Teilnehmer 2: Von _____ bis _____

Rechnungsanschrift:
Firma: _____
Ansprechpartner: _____
Abteilung: _____
Strasse: _____
Ort: _____

Hiermit bestätige ich die verbindliche Anmeldung zu o.g. Workshop. Ich besitze die notwendigen Vorkenntnisse.
Es gelten die AGB der qSkills GmbH & Co. KG

Ort, Datum _____ Unterschrift _____