

## SAN Management (MR-1CP-SANMGMT)

ID MR-1CP-SANMGMT Preis US\$ 5.000,- (exkl. MwSt.) Dauer 5 Tage

### Zielgruppe

This course is intended for any person who presently or plans to manage Storage Area Networks using EMC software.

### Voraussetzungen

To understand the content and successfully complete this course, a student should have knowledge and skills associated with the following:

- SAN protocols and devices
- EMC Storage Area Network (SAN) concepts
- Familiarity with operating system and storage array administration

A list of specific prerequisite courses can be found in EMC Education Services Learning Management System.

### Kursziele

Upon successful completion of this course, participants should be able to:

- Describe the tools and methods for effective SAN Management
- List the steps to configure a Fibre Channel, FCIP and iSCSI SAN
- Configure SAN switches for single and multi-switch fabrics
- Perform basic maintenance and troubleshooting tasks
- Connect and configure Inter-Switch Links
- Demonstrate zoning and other SAN tasks using CLI and GUI-based tools
- Configure an Interoperable fabric
- Configure NPIV for virtualization of SAN hosts
- Troubleshoot and correct common SAN management issues

### Kursinhalt

This EMC Education Services course provides SAN management activities using vendor or EMC tools. The Connectrix family of switches are managed to provide connectivity to host and storage through a SAN. SAN switches are administered through their CLI and GUI management tools for configuration in a multi-switch fabric and to enable communication between the hosts and storage. Fibre Channel, FCiP and iSCSI environments are presented for management and switch configuration along with NPIV and NPV. The concepts of EMC SAN best practices, performance monitoring, basic troubleshooting and security are also addressed.

These modules are designed to support the course objectives. The following modules are included in this course:

### SAN Management Overview

- SAN Management Tools
- Host SAN Concepts
- Storage Arrays
- MDS-Series Switch Tools

- MDS Management Tools
- Licensing
- Management Tools Installation
- Switch Configuration
- Maintenance Tasks
- Management Security

### B-Series Switch Tools

- B-Series Management Tools
- Licensing
- Management Tools Installation
- Switch Configuration
- Maintenance Tasks
- Management Security

### **SAN Management**

- Fabric Login Process
- Zoning Management Tools
- Zoning
- VSAN Configuration
- Virtual Fabrics
- CLARiiON Storage Provisioning
- VNX Storage Provisioning
- Symmetrix Storage Provisioning

### **Fabric Configuration**

- Fibre Channel Fabric Overview
- Expanding a Fabric
- Extend a Fabric using FCIP
- iSCSI Fabric Configuration

### **Interoperability Management**

- Interoperability Overview
- B-Series and M-Model Interop Fabric
- MDS-Series and B-Series Interop Fabric

### **Virtualization**

- N\_Port ID Virtualization
- N\_Port Virtualization and Access Gateway

### **SAN Transformation**

- Journey to the Cloud
- Cloud Environment
- Migrating to the Cloud

### **Troubleshooting and Monitoring**

- Troubleshooting SAN
- B-Series Troubleshooting and monitoring
- MDS-Series Troubleshooting and monitoring

In addition to lecture and demonstrations, this course includes labs designed to allow practical experience for the participant.

# Über Fast Lane



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## Trainingsmethoden

- ✓ Klassenraumtraining
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Klassenraum und ILO kombiniert
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobiles Lernen

## Technologien und Lösungen

- ✓ Digitale Transformation
- ✓ Artificial Intelligence (AI)
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
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