

DCMDS

Configuring Cisco MDS 9000 Series Switches

The training shows you how to implement, manage, and troubleshoot Cisco® MDS 9000 Series Switches, to build highly available, scalable storage networks. Through expert instruction and extensive hands-on practice, you will learn how to deploy and use capabilities such as Virtual Storage Area Networks (VSANs), Role-Based Access Control (RBAC), N-Port Virtualization (NPV) fabric security, zoning, automation with NX-API, Slow Drain Analysis, SAN analytics, Fibre Channel over TCP/IP (FCIP) tunnels, and more. You will learn how to configure and implement platform features and learn troubleshooting techniques pertaining to Fibre Channel (FC) domains, firmware upgrades, zones, and zone mergers.

Course Contents

- Describing Cisco MDS Platform
- Describing Key Product Features
- Describing New Product Features
- Deploying Cisco MDS Features
- Troubleshooting Common Cisco MDS Issues

E-Book You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

Target Group

- Data Center System Engineers
- Data Center Field Engineers
- Data Center Architects
- Technical Deciders
- Network Architects
- Cisco Integrators and Partners

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

- Basic understanding of data storage hardware components and protocols, including Small Computer System Interface (SCSI) and Fibre Channel
- Basic understanding of network protocols, including Ethernet and IP
- Basic routing and switching knowledge

These are the recommended Cisco courses that may help you meet these prerequisites:

- Introducing Cisco Data Center Networking (DCICN)
- Introducing Cisco Data Center Technologies (DCICT)

Course Target

This course helps you prepare to take the exam, Implementing Cisco Storage Area Networking (300-625 DCSAN), which leads to CCNP Data Center and the Certified Specialist - Data Center SAN Implementation certifications.

Processing time

approx. 24 hours

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/DCMD

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

Cisco Digital Learning

We are also offering this course as a Cisco Digital Learning module. These multi-modal training events include HD videos with searchable text, labs, exercises, and comprehensive course documentation.

| Cisco Digital Learning | Prices, excl. of V.A.T. |
|------------------------|-------------------------|
| | € 1,500 |

| Training | Prices, excl. of V.A.T. |
|--|--|
| Classes in Germany | 4 Days € 2,995 |
| Online Training | 4 Days € 2,995 |
| Date/course venue | Course language English |
| 16/01-19/01/23 <input type="checkbox"/> Online | 13/03-16/03/23 <input type="checkbox"/> Online |
| 27/02-02/03/23 <input type="checkbox"/> Online | |



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DCMDS – Configuring Cisco MDS 9000 Series Switches

Describing Cisco MDS Platform

- Cisco MDS 9700/9300/9200/9100 Hardware
- Cisco NX-OS
- Cisco DCNM
- Fibre Channel Architecture
- FCoE Architecture

Describing Key Product Features

- Cisco DCNM 11.x
- RBAC and Authentication, Authorization, and Accounting (AAA)
- Virtual SANs
- NPV and NPIV
- Port Channels and VSAN Trunking
- Zoning and Smart Zoning
- Device Aliases
- Inter-VSAN Routing
- Fibre Channel Fabric Security

Describing New Product Features

- 32-Gb Fibre Channel
- Cisco MDS NX-API
- Power-On Auto-Provisioning
- Slow Drain Analysis
- SAN Analytics and Telemetry Streaming
- Cisco Secure Boot

Deploying Cisco MDS Features

- Installation and Initial Setup
- Building a Fabric: FC Domains and FC Services
- Building SAN Extensions

Troubleshooting Common Cisco MDS Issues

- Fibre Channel Domains
- Zones and Zone Merges
- Boot and Upgrade Issues

Lab Outline

- Set Up DCNM
- Explore DCNM-SAN Client and DCNM Device Manager
- Configure and Use RBAC
- Configure and Use RBAC with DCNM-SAN Client and Device Manager
- Manage VSANs and Fibre Channel Domain
- Configure NPV and N-Port Identification

Virtualization (NPIV)

- Configure Interfaces
- Configure Device Aliases and Zoning
- Explore and Automate with NX-API
- Perform Slow Drain Analysis with Cisco DCNM
- Configure SAN Analysis and SAN Telemetry Streaming
- Configure FCIP Tunnels and FCIP High Availability (HA)
- Configure IVR for SAN Extension
- Troubleshoot Zoning and Zone Merges



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