

Configuring Cisco MDS 9000 Switches v1.2

DCMDS



Delivery Type: Classroom

Duration: 5 days

Overview

Configuring Cisco MDS 9000 Series Switches (DCMDS) v1.2 is a product course consisting of lectures and labs that provide learners with fundamental skills in configuring Cisco MDS 9000 Series switches. The course structure is based on the Cisco Product Configuration Guides. DCMDS is built upon and consolidated from two prior courses: ICSNS and IASNS.

Target Audience

Field Engineers wanting operational knowledge and hands on experience with the Cisco MDS 9000 series switches.

Pre-Requisites

Basic understanding of data storage hardware components and protocols, including SCSI and Fibre Channel. Basic understanding of networking protocols, including Ethernet and IP.

Objectives

- ✓ Describe the components and management services of MDS 9000 Series
- ✓ Explain the initial setup procedure, default settings, software licensing requirements, and system software upgrade procedures
- ✓ Explain how to configure Fibre Channel interfaces; use the FLOGI database and the FCNS database; how to create VSANs; manage Domain IDs and FCID assignment; use NPV mode and NPIV feature; and configure port channels, Device Alias, and Basic and Enhanced Zoning
- ✓ Explain how to configure DMM, Cisco SANTap, and SPAN to monitor traffic flow through the MDS
- ✓ Describe FCoE, DCBX, and DCB and the configuration steps required to configure multihop FCoE in a SAN environment
- ✓ Explain how to: configure secure management protocols and role-based access control; centralize security management with AAA

services; secure the SAN environment with port and fabric security; configure the Fiber Channel Security Protocol; configure the Storage Media Encryption solution; and how Cisco LinkSec encryption can protect data in transit

- ✓ Describe the basic FCIP configuration process; use Fiber Channel Port Channels to provide high availability for FCIP environments; implement IVR in order to increase the reliability of the SAN extension solution; and identify parameters that must be tuned to optimize performance across the FCIP tunnel

Certification

Recommend as preparation for exam(s):

- ✓ There is currently no exam associated with this course.