Configuring Cisco MDS 9000 Series Switches v2 (DCMDS2)

Course ID#: 1575-918-ZZ-W

Hours: 35

Course Content

Course Description:

Configuring Cisco MDS 9000 Series Switches (DCMDS) v2.0 is an instructor-led course that is presented by Cisco Learning Partners to their end-user customers. This course is a five day training program that is designed for systems and field engineers who implement storage networking solutions with the Cisco MDS 9000 Series switch platform. This course covers the key concepts and procedures that you need to know to install, configure, and manage the Cisco MDS 9000 Series switch platform to improve the availability, scalability, performance, and manageability of the SAN.

Prerequisites:

The following lists the skills and knowledge that you must possess to benefit fully from the course.
- Basic understanding of data storage hardware components and protocols, including SCSI and Fibre Channel
- Basic understanding of networking protocols, including Ethernet and IP

Topics:

Module 1:
Cisco MDS 9000 Series Switch Platform
- Introducing the Cisco MDS 9000 Series Switch Platform
- Implementing Integrated Management

Module 2:
System Installation and Initial Configuration
- Performing the Initial Switch Configuration
- Installing and Licensing Cisco NX-OS Software

Module 3:
Building a SAN Fabric
- Configuring Interfaces
- Using FLOGI and FCNS Databases
- Configuring VSANs
- Managing Domains
- Configuring Cisco NPV and NPIV
- Configuring PortChannels

- Configuring Distributed Device Aliases
- Implementing Zoning

Module 4:
Intelligent SAN Fabric Services
- Implementing Cisco MDS Data MobilityManager
- Implementing Cisco SANTap
- Monitoring Traffic Flow

Module 5:
Fibre Channel over Ethernet Implementation
- Fibre Channel over Ethernet
- Configuring Multihop FCoE on the MDS 9500

Module 6:
Security Implementation
- Improving Management Security
- Configuring AAA Services
- Implementing Port and Fabric Security
- Configuring FC-SP

Module 7:
Implementing Link Encryption

Module 8:
Implementing Cisco Storage Media Encryption

Module 9:
FCIP Implementation
- Creating an FCIP Tunnel
- Configuring FCIP High Availability
- Implementing IVR for SAN Extension
- Tuning FCIP Performance