ASM Educational Center (ASM) *Est. 1992*

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DCMDS v2.0 - Configuring Cisco MDS 9000 Series Switches

Course Outline

Module 1: Cisco MDS 9000 Series Switch Platforms
Lesson 1: Introducing Cisco MDS 9000 Series Switches
Lesson2: Implementing Integrated Management

Module 2: System Installation and Initial Configuration
Lesson 1: Performing the Initial Switch Configuration
Lesson 2: Installing and Licensing Cisco NX-OS Software

Module 3: Building a SAN Fabric
Lesson 1: Using FLOGI and FCNS Databases
Lesson 2: Configuring Interfaces
Lesson 3: Configuring Port Channels
Lesson 4: Configuring Cisco NPV and NPIV
Lesson 5: Configuring VSANs
Lesson 6: Managing Domains
Lesson 7: Configuring Distributed Device Aliases
Lesson 8: Implementing Zoning

Module 4: Intelligent SAN Fabric Services
Lesson 1: Implementing Cisco MDS Data Mobility Manager
Lesson 2: Monitoring Traffic Flow

Module 5: FCoE Implementation
Lesson 1: Describing FCoE
Lesson 2: Configuring FCoE on Cisco MDS 9500 and 9700 Series Multilayer Directors

Module 6: Security Implementation
Lesson 1: Improving Management Security
Lesson 2: Configuring AAA Services
Lesson 3: Implementing Port Security and Fabric Binding
Lesson 4: Configuring FC-SP
Lesson 5: Implementing Link Encryption

Module 7: FCIP Implementation

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Lesson 1: Creating an FCIP Tunnel

Lesson 2: Configuring FCIP High Availability

Lesson 3: Implementing IVR for SAN Extension

Lesson 4: Tuning FCIP Performance

Lab Outline

Lab 2-1: Perform Initial Switch Setup

Lab 2-2: Perform the Boot Process and Upgrade Switch Software

Lab 2-3: Install Cisco DCNM Release 6.2(3)

Lab 3-1: Configure Interfaces

Lab 3-2: Configure Port Channels

Lab 3-3: Configure Cisco NPV and NPIV

Lab 3-4: Configure VSANs, Domain Management, and Persistent FCIDs

Lab 3-5: Configure Device Aliases

Lab 3-6: Configure Zoning

Lab 4-1: Implement Cisco DMM

Lab 6-1: Configure RBAC and AAA Services

Lab 6-2: Implement Fabric and Port Security

Lab 7-1: Configure FCIP Tunnels and FCIP High Availability with Port Channels

Lab 7-2: Implement IVR for SAN Extension

Lab 7-3: Tune FCIP Performance