DCIMDS (INTRODUCING CISCO MDS 9000 SERIES SWITCHES) 1.1

Objetivo

After taking this course, you should be able to: â¢ Describe Cisco MDS SAN features and advantages; â¢ Describe fixed and modular platforms; â¢ Describe Cisco MDS architecture and high-availability mechanisms; â¢ Describe technologies used in modern SANs; â¢ Describe SAN management with Cisco DCNM; â¢ Describe key value-add features that distinguish Cisco MDS switches; â¢ Configure basic Cisco MDS features and interfaces using DCNM.

PÃºblico Alvo

Technical and professionals who implement, configure, support and manage data center SAN environments using Cisco MDS 9000 Switches.

PrÃ©-Requisitos

To fully benefit from this course, you should have the following knowledge and skills: â¢ Experience managing data center deployments; â¢ Knowledge of the fundamentals of SAN technologies; â¢ Understanding of business and application requirements.

Carga HorÃ¡ria

16 horas (2 dias).

ConteÃºdo ProgramÃ¡tico

Course Introduction
Curso Outline
Curso Goals & Objectives

Describing Cisco MDS Platform
Introduction and Advantages of Cisco MDS
Fixed Platforms
Modular Platforms

Describing Cisco MDS Architecture
Store-and-Forward Architecture
High Availability
Redundancy

Describing Storage Technologies
Fibre Channel
Non-Volatile Memory Express (NVMe) Over Fibre Channel
Fibre Channel Over IP
Fibre Channel Over Ethernet

Managing Cisco MDS Switches
Cisco Data Center Network Manager
Cisco NX-OS CLI
Cisco NX-API

Describing and Using Cisco MDS Key Features
Virtual Storage Area Networks (VSANs)
Inter-VSAN Routing
Port Channels
Slow-Drain Device and Path Analysis Using Congestion Control Mechanisms
N Port Virtualization (NPV) and N-Port identifier Virtualization (NPIV)
Zoning
Smart Zoning
SAN Analytics and Telemetry Streaming
Diagnostics Toolbox
SAN Extension
Other Differentiator Features

Lab Outline
Lan 1: Perform Initial MDS Configuration
Lab 2: Set Up DCNM
Lab 3: Configure VSANs and Interfaces in Cisco DCNM
Lab 4: Configure Port Channels in Cisco DCNM
Lab 5: Configure Device Aliases and Zoning
Lab 6: Configure SAN Analytics and SAN Telemetry Streaming
Lab 7: Use CLI for Basic Monitoring