

Implementing Cisco Storage Networking Solutions v3.0

Days: 5

Prerequisites

Basic understanding of data storage hardware components and protocols, including SCSI and Fibre Channel

Course Content

This course enables the student to describe and configure the hardware and software components of the Cisco MDS 9000 product family, focusing on key technologies and features that apply to departmental, mid-range, and enterprise SANs. The ICSNS course combines MDSCT and CMSE into a single course, updated for SAN-O 2.1, 3.0, and with basic networking content added.

Course Objectives

- Given a SAN environment, identify the components, services, and features of the MDS 9000 platform that can be used to improve the availability, scalability, performance, and manageability of the SAN.
- Given an MDS 9000 switch, safely install the switch hardware and perform the initial software configuration process.
- Given a SAN design, implement the logical topology specified by a SAN design, so that connectivity between end devices can be verified.
- Given a SAN design, describe the traffic management features associated with Intelligent Network Services for the MDS 9000 series in order to configure basic traffic management services for the SAN.
- Given a SAN environment, describe how to use FCIP to implement appropriate solutions for SAN extension.
- Given a SAN environment, identify MDS 9000 diagnostic tools in order to diagnose SAN problems and common configuration errors.

Course Outline

Module 1: MDS 9000 Platform Overview

Module 2: System Installation and Initial Configuration

Module 3: Building Virtual SANs

Module 4: Managing SAN Traffic

Module 5: Implementing FCIP

Module 6: Troubleshooting Tools and Scenarios

Appendix A: The Fibre Channel Protocol

Appendix B: Installation and Configuration Reference

Who Should Attend

- Channel Partner / Reseller
- Customer
- Employee