

DCMDSO: Cisco MDS9000 Series Switches Overview v1.5

Course Code: DCMDSO

Duration: 1 day

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

The Cisco MDS 9000 Series Switches Overview (DCMDSO) v1.5 course gives you a technical overview of how Cisco Multilayer Director Switch (MDS) 9000 Series, can be used to build highly available and scalable storage networks with advanced security and unified management. The course is for technical decision makers and IT professionals who architect, implement, and manage data center Storage Area Network (SAN) environments.

In this course, you'll learn about key capabilities of the MDS 9000 Series, including platforms, architecture, software, management, and key features that contribute to performance, high availability, flexibility, and operational simplicity of storage environments.

SKILLS COVERED

After taking this course, you should be able to:

- Describe Cisco MDS SAN features and advantages
- Define fixed and modular platforms
- Understand Cisco MDS architecture and high-availability mechanisms
- Identify technologies used in modern SANs
- Describe SAN management with Cisco Data Center Network Manager (DCNM)
- Explain key value-add features that distinguish Cisco MDS switches

WHO SHOULD ATTEND?

IT professionals interested in understanding the capabilities of the MDS 9000 Series, including:

- Data center architects
- Data center engineers
- IT directors
- IT managers
- Network architects
- Network engineers
- Solution architects
- Systems engineers

PRE-REQUISITES

Understanding the following information can help you get the most from this course:

- Experience managing data center deployments
- Grasping the fundamentals of SAN technologies
- Understanding business and application requirements

Completion of the [CCNA: Implementing and Administering Cisco Solutions](#) will provide the required prerequisite knowledge.

MODULES

Module 1: Define Cisco MDS Platform Overview

- Introduction and Advantages of Cisco MDS
- Fixed Platforms
- Modular Platforms

Module 2: Describe Cisco MDS Architecture

- Store-and-Forward Architecture
- High Availability
- Redundancy

Module 3: Explore Cisco MDS Key Features

- Virtual Storage Area Networks
- Port Channels
- Slow Drain Device and Path Analysis
Using Congestion Control Mechanisms
- Cisco DCNM SAN Insights for SAN
Analytics
- Zoning
- Smart Zoning
- Other Differentiating Features

Module 4: Examine Cisco MDS Management

- Cisco Data Center Network Manager

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