

## Cisco MDS9000 Series Switch Overview

**Duration: 180 Days**    **Course Code: DCMDSO**    **Version: 1.5**    **Delivery Method: Elearning**  
**(Self-paced)**

### Overview:

The Cisco MDS 9000 Series Switches Overview course provides a technical overview of how Cisco MDS 9000 Series Multilayer Switches can be used to build highly available and scalable storage networks with advanced security and unified management. You will learn about the key capabilities of the MDS 9000 Series, including platforms, architecture, software, management and key features that contribute to performance, high availability, flexibility, operational simplicity and lower the total cost of ownership (TCO) of storage environments.

### e-Learning

Interactive self-paced content that provides flexibility in terms of pace, place and time to suit individuals and organisations. These resources also consist of online books, educational podcasts and vodcasts, and video-based learning.

### Target Audience:

Technical decision makers and IT professionals who architect, implement and manage data center SAN environments.

### Objectives:

- **After completing 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

### Prerequisites:

#### Attendees should meet the following prerequisites:

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

### Testing and Certification

#### Recommended as preparation for the following exams:

- There are currently no exams aligned to this course

## Content:

### Cisco MDS Platform Overview

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

### Describing Cisco MDS Architecture

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

### Describing Cisco MDS Key Features

- Virtual Storage Area Networks
- Zoning
- Smart Zoning
- Cisco Autozone
- Port Channels
- NPV and NPIV
- Fibre Channel Over IP
- NVMe Over Fibre Channel
- Slow-Drain Device and Path Analysis Using Congestion Control Mechanisms
- Cisco DCNM SAN Insights for SAN Analytics
- Cisco MDS Automation and Programmability
- Other Differentiator

### Describing Cisco MDS Management

- Describe and introduce Cisco DCNM

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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