

# ICSNS

## Implementing Cisco Storage Networking Solutions



This course about the MDS 9000 product family initially describes the special technological features. Subsequently, an enterprise SAN will be set up with these components. The course starts with an introduction to the architecture of the devices and Cisco-specific features, such as Virtual Storage Area Networks (VSANs), LUN Zoning, or Fibre Channel Congestion Control. After an overview of the system components and installation of the switches, the configuration of these components will be practiced in a test network, including troubleshooting scenarios. In combination with the IASNScourse, the contents of this course prepare the participant for test no. 642-356 (CSSS).

### Course Contents

- Architecture and Features of the MDS 9000 Switches
- Generation 1 and Generation 2 Line Cards
- MDS 9000 System Components, Installation, and Basic Configuration
- The Configuration of Interfaces
- The Setup of Virtual SANs (VSANs) and Dynamic VSANs
- Configuration of the Advanced Features: PortChannels, FSPF, Zoning, Call Home
- Domains
- Traffic Management in the SAN
- Traffic Priority and Port Bandwidth Reservation
- Implementation of FCIP
- Configuring Routing and Load Balancing, Port Tracking
- Software Licensing and Upgrades
- Management Security: Management ACLs, SSH, RBAC, and AAA
- Introduction to the Troubleshooting Tools and Handling of Typical Troubleshooting Scenarios

In this course, each student will receive the original Cisco Systems course documentation in English language.

### Target Group

The primary target group of this training are SAN designers and administrators who design, implement, and operate Fibre Channel SANs on the basis of MDS 9000 Switches. Moreover, the course offers a thorough insight into the special features of the Cisco MDS 9000 switches and serves as a preparation for the CSSS® Certification.

### Knowledge Prerequisites

Basic knowledge about storage networks and the Fibre Channel Protocol, as imparted in the Storage Area Networks - SAN Alternatives in Comparison course, is indispensable. Experience with the configuration of the Cisco IOS software is desirable, but not necessary for SAN experts.



### Reservation and Registration

We will be glad to make a free and non-binding course reservation for you for the duration of two weeks. On [www.experteach-benelux.com](http://www.experteach-benelux.com) under *Registration*, you can conveniently make course reservations, registrations, and hotel reservations. Alternatively, call us under +31 (0)76 52 32 950.

For closed groups of participants, we can modify the course contents according to your requirements. Do not hesitate to contact us!



ICSNS

5 days €2,995 exclusive of V.A.T.

Course date (dd.mm.yy)/Location

09.01.-13.01.12 Breda

Up-to-date information: [www.experteach-benelux.com](http://www.experteach-benelux.com) ICSN



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