

# Advanced SAN Configuration and FCoE

Course code: DC-S2

Participants will learn how to use and configure several more advanced Fibre Channel technology and Cisco MDS/Nexus switches features, e.g. Inter-VSAN routing, Enhanced Zoning, etc. Further the new generation of Ethernet technology called DCB (Data Center Bridging) and its important features are introduced. Especially participants will learn how to configure FCoE including its terminology and basic principles of operation. Skills acquired are further fixed during practical exercises.

## Required skills

Participants are expected to know the fundamentals of SANs covered by TRNDC-S1 (SAN Basics) training. Moreover, because TRNDC-S2 training discusses the LAN and SAN convergence into a Unified Network and deals with FCoE, participants need to understand LANs at least at a level covered by A2 or ICND2 trainings.

## Course outline

Brief overview of SAN and Fibre Channel technology

- Addressing, port and process login, types of ports, buffer-to-buffer flow control
- NPV and NPIV
- VSANs
- Cisco Fabric Services

Zoning and Enhanced Zoning

FSPF (Fabric Shortest Path First) and its basic tuning

Inter-VSAN routing

DCB (Data Center Bridging) and its important features

Fibre Channel over Ethernet (FCoE)

- Terminology and basic principles of operation
- FIP

Practical exercises

### GOPAS Praha

Kodaňská 1441/46  
101 00 Praha 10  
Tel.: +420 234 064 900-3  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 248 282 701-2  
[info@gopas.sk](mailto:info@gopas.sk)



Copyright © 2020 GOPAS, a.s.,  
All rights reserved