SAN Basics

Course code: DC-S1

DC-S1 is a theoretical course aimed to demonstrate basic principles and technologies of storage area networks. A graduate gets a general overview of Fibre Channel technology, including terminology, design, way of addressing and the principles of data delivery.

Required skills

This is a SAN introductory course and therefore the participants are not expected to have any SAN related knowledge.

However, it this recommended that participants are familiar with LAN fundamentals covered by A0 or ICND1 trainings.

Course outline

Introduction to SAN

- Purpose of SANs
- Development from DAS (SCSI) to SAN in short

Fibre Channel (FC) fundamentals

- Layered model of Fibre Channel
- Types of ports
- FC frame format
- Buffer-to-buffer flow control
- FC addressing; fabric, port and process login

NPV and NPIV

FSPF (Fabric Shortest Path First)

Zoning

VSANs

Basics of SAN design

GOPAS Praha
Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk

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