

Introduction to SAN (H41BQS)

ID H41BQS **Price on request** **Duration 2 days**

Who should attend

This course is ideal for new or entry-level technical professionals seeking a learning path that includes conceptual knowledge of SAN technologies.

Prerequisites

Before attending this course, you should have:

- Basic technical understanding of concepts and terminology related to networking and storage
- Basic experience in managing Windows systems

Course Objectives

After completing this course, you should be able to:

- Define a storage area network (SAN)
- Describe SAN benefits
- Discuss data access methods
- Identify SAN hardware components
- Describe HPE Storage Networking elements and benefits
- Recall the format of a WWN
- Explain Fibre Channel (FC) terminology and port types
- Describe FC topologies
- Identify FC addressing
- List the steps for port initialization
- Identify the node and port types
- Describe the role of Simple Name Service
- Describe concepts associated with zoning
- Explain the data center bridging (DCB) standard
- Describe the Fibre Channel over Ethernet (FCoE) standard
- Discuss the Non-Volatile Memory Express over Fabrics (NVMe-oF) standard, types, and building blocks
- Discuss host connectivity
- Discuss N_Port ID Virtualization (NPIV) support and products based on it
- Explain the function of multipathing and load balancing
- Discuss the need for SAN management
- Discuss technologies driving SAN management
- Describe HPE SAN management today
- Discuss SAN extension technologies and implementations

- Explain the use and effects of buffer (BB) credits on distance and speed
- Describe approaches to planning security in a SAN
- Outline the core components for securing a SAN
- Outline topology choices and design considerations
- Describe SAN performance factors
- Identify levels of high availability in SAN architecture

Course Content

Module 0: Course Overview Module 1: SAN Introduction Module 2: Fibre Channel Module 3: iSCSI Module 4: NVMe-oF Module 5: Host Module 6: SAN Management Module 7: Long Distance Connectivity Module 8: SAN Security Module 9: SAN Design

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Training Centres worldwide



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