

HPE SAN Essentials I Administration Fundamentals

Duration: 3 Days **Course Code: HM9Q1S** **Delivery Method: Virtual Learning**

Overview:

This course is designed for new or entry-level HPE B-series SAN administrators. It provides a comprehensive understanding of everyday administration within an HPE SAN solution, covering a broad range of technologies and concepts such as FC, iSCSI, and FCoE. It discusses basics and building blocks of FC and IP-SAN with examples based on HPE B-series products, as well as the role of SAN-enabled hosts and disk targets. HPE B-series SAN features and management options are also presented. Other topics include data protection, basic SAN security, and performance aspects of SAN components. Please note that advanced technologies are only introduced in this course, while they are fully covered in the SAN Essentials II: Advanced B-series Networking class. This training helps students gain the experience needed to tackle the challenges of working in medium-sized and enterprise class HPE B-series SAN environments. This course covers general SAN technologies and HPE StoreFabric B-series specific topics.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

New or entry-level technical professionals seeking a learning path that includes both conceptual knowledge of SAN technologies and experience in HPE B-series SAN environments

Objectives:

- At the conclusion of this course, you should be able to:
 - • Describe SAN and SAN benefits
 - • List SAN components
 - • Present the overall HPE SAN portfolio
 - • Identify the differences between DAS, NAS, and SAN
 - • Compare different data access methods
 - • Talk about FC topologies
 - • Discuss WWN identifiers and FC addressing
 - • Talk about basic switch features and configuration parameters
 - • Perform initial switch installation, configuration and verification
 - • Describe the role of a host in a SAN network and host-related technologies including
 - such as zoning and name server
 - • Talk about basic HPE B-series SAN management options and technologies
 - • Describe iSCSI protocol and HPE Nimble storage array as an iSCSI-based product example
 - • Talk about FCoE technologies including building blocks and how it compares to FCIP and iSCSI
 - • Present the theory of SAN security and basic HPE B-series based implementation as well as authentication options
 - • Talk about data protection (backup, replication) including theory, topologies, technologies and related HPE products:
 - HPE StoreOnce, tape, HPE Cloud Bank

- NPIV and load balancing
- • Present the role of storage in a SAN network
- and storage-related technologies including
- disks and interfaces types, encryption,
- deduplication and VVOLs overview.
- • Explain basic FC concepts and SAN services,

- Storage and HPE RMC
- • Cover SAN and storage planning
- performance aspects and monitoring
- options
- • Design and document SAN

Prerequisites:

- Basic technical understanding of concepts
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- Basic experience in managing Windows
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Content:

[HPE SAN Essentials I: Administration Fundamentals | HM9Q1S](#)

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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