



STORAGE NETWORKING CONCEPTS FOUNDATION

Building a Working Knowledge of Storage Networking through a clear understanding of Solutions & Technology

For professionals who require a comprehensive introduction to the Technologies and Solutions that provide the basis for understanding the Storage Networking environment and to build the foundation for advanced technical training.



COURSE DESCRIPTION

Storage Networking Concepts

Foundation provides an introduction to storage networking concepts, technologies and solutions. Attendees will explore fundamental storage concepts, disk technology, storage architectures, storage management and storage networking protocols such as SCSI, Fibre Channel, iSCSI, FCIP and iFCP. Key solutions will be presented, which addresses data sharing, Networked Attached Storage (NAS), disaster recovery preparation, extended SANs, business continuity, backup and recovery, and storage consolidation. After completing this course, attendees will be well-prepared to attend more advanced courses on storage networking solutions and implementation, as well as courses which address specific technologies. Prepares delegates for SNIA Foundations Exam (S10-101).

PREREQUISITES

There are no formal prerequisites; however participants will gain the most from this if they have a fundamental knowledge of:

- Traditional or networked storage technologies
- LAN/WAN solutions

WHO SHOULD ATTEND

This course is intended for the following:

- Individuals who are currently working with IT products that are storage or networking focused
- Individuals who are currently working with traditional storage or networking products or services, including Fibre Channel and IP storage technologies
- Individuals who want to earn the SNIA Storage Networking Professional Certification

This course is also intended for individuals who are in sales consulting and technical support roles that need a more comprehensive understanding of storage networking technologies and solutions. This course is ideal preparation for the SNIA Foundation Exam to qualify as a SNIA Certified Professional. This vendor neutral, industry accepted qualification has increasing value in the Storage Networking world. Course content and technical level are targeted for professionals working in roles similar to the following:

- Storage Administrator
- System and Network Administrators
- Sales Consulting and Technical Sales Support
- MIS/IT Technical Staff and Management

Information

For more information
please visit

WWW.INFINITYIO.CO.UK

or telephone

+44 (0)1252 847400



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COURSE OBJECTIVES

- Identify and define basic storage technology and terminology
- Describe the capabilities, strengths, limitations and opportunities for DAS, NAS, SAN, and CAS environments
- Describe the SNIA Shared Storage Model
- Identify standards organisations
- Understand disk components
- Compare and contrast disk interface technologies such as ATA, SATA, SCSI and SAS
- Describe features and functions of Mid-Tier and High-End Storage Arrays
- Describe key features of Disk controllers (cache, protection)
- Understand NAS protocol and backup details
- Discuss iSCSI protocol detail and implementation
- Explore SAN Extension techniques, implementation requirements and relevant applications
- Discuss Storage Networking Security Management needs and solutions
- Probe Data Protection methodologies
- Define the need, history and function of SMI-S
- Identify the steps involved in Storage Resource Management
- Review the topics and technical level of knowledge tested in the SNIA Foundation examination

ASSOCIATED COURSES

- Storage Networking Standards – Fibre Channel SAN Management and Administration
- Storage Networking Solutions – Assessment Planning and Design

Course Format **Interactive Lecture**

Course Length **5 days**

Associated Exam **S10-101**

