



# SAN BOOTCAMP

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

For professionals who require an accelerated learning path that includes both conceptual knowledge of Fibre Channel SAN technologies and hands-on experience in heterogeneous SAN environments.

## COURSE DESCRIPTION

**SAN Bootcamp** is an accelerated course that provides comprehensive vendor neutral exposure to SAN solutions and supporting technologies, such as Fibre Channel, iSCSI and IP Storage. Participants learn about protocols, standards, management practices and tools, and SAN design and implementation considerations.

Class discussions cover a wide range of topics, including the capabilities and limitations of the various supporting technologies and SAN management in enterprise environments, while a hands-on-lab element allows students to apply their knowledge of the Fibre Channel protocol; gain experience with component installation and configuration; build a simple SAN fabric; and explore SAN management applications.

## 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, concepts and terminologies
- Experience managing Windows NT/2000 or Unix systems.

## 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

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.

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
- Training Personnel

## Information

For more information please visit

[www.infinityio.com](http://www.infinityio.com)

or telephone

+1 650 704 6974



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## COURSE OBJECTIVES

- Understand the goals and objectives of storage networking
- Identify the key applications enabled by storage networking
- Discuss the capabilities, strengths and limitations of Fibre Channel SANs, NAS and DAS
- Describe the key functions and characteristics of SAN components
- Describe and differentiate between the Fibre Channel Arbitrated Loop and Switched Fabric topologies.
- Describe the Fibre Channel layered protocol architecture and data structure
- Describe Fibre Channel addressing and flow control
- Explain how Fibre Channel and iSCSI can be used to build multiprotocol SANs
- Identify technologies available for extending SANs across WANs, including WDM and SONET/SDH, FCIP and iFCP
- Identify current and future applications for IP storage technologies
- Identify key SAN management disciplines, and describe the functions and capabilities included within each discipline relevant applications
- Describe the different types of SAN management tools and the capabilities they provide, and provide examples from various vendors
- Identify issues and solutions for SAN security management
- Install and configure multivendor SAN solutions, including hosts, SAN components, and device management tools.
- Capture and analyze Fibre Channel protocol traces
- Learn to use various SAN management tools
- Monitor and analyze SAN I/O performance

Course Format **Interactive Lecture and Lab**

Course Length **5 days**