
Storage Area Networking Fundamentals (SN71IE)

Duration: 5 Days Course Code: SN71G

Overview:

The storage area network (SAN) infrastructure facilitates storage consolidation, data sharing, server clustering, LAN-free and server-less backup across heterogeneous host server platforms. This course focuses on the planning and implementation considerations associated with establishing that SAN infrastructure. Functions provided by SAN fabric components, such as Fibre Channel host bus adapters (HBAs), Fibre Channel switches and directors, and SCSI to Fibre Channel protocol converters are discussed, and the interdependencies of these components are examined. Mechanisms to implement resource access control for data access integrity among heterogeneous hosts in a storage networking environment are also examined.

Target Audience:

This course is for personnel who are assessing and planning to deploy a storage area network.

Objectives:

- Examine Fibre Channel services such as login processes, name server, addressing, loop initialization and arbitration, frame routing, and registered state change notification as they relate to configuring the SAN infrastructure
 - Plan for the Implementation of resource access control to ensure data integrity by using zoning interfaces in the IBM TotalStorage SAN switches and directors (b-type, m-type), and the Cisco MDS 9000 directors and switches
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 - Plan for the implementation of SAN interconnect components, such as Fibre Channel HBAs, the IBM TotalStorage SAN switches and directors (b-type, m-type), and the Cisco directors and switches by reviewing their default configurations and assessing tailoring options
 - Interpret topology, routing, and trunking data displayed by switch management interfaces for a given fabric
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Prerequisites:

You should complete:

- Introduction to Storage Networking (SN70GB)
- or equivalent knowledge base is a must.

This course assumes that you understand a basic SAN knowledge.

Content:

Day 1

- (00:30) Welcome
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- RAID technology
- Specific tape terminology
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- Fibre Channel: Class of service
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- (00:30) Exercise 5 - Configuring the DS4000 storage subsystem
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- (06:00) Unit 3 - Fibre Channel switches and directors: Brocade (b-type)

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Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

info@globalknowledge.ie

www.globalknowledge.ie

Global Knowledge, 3rd Floor Jervis House, Millennium Walkway, Dublin 1