Introduction to Storage Networking

This three-day class examines technologies, products, and strategies for managing the growth of business data across the enterprise. It introduces technologies, SAN products, topology, and terminology associated with storage networking. It discusses the basic concepts and terminology and standards associated with networked storage: Storage Area Networks (SANs), Network Attached Storage (NAS), and internet SCSI (iSCSI). It explores the complications of managing islands of information among heterogeneous environments with disparate operating systems, data formats, user interfaces, and limited integration of products from assorted vendors.

This course is designed to enable enterprises to take advantage of networked storage technology. It explains what you may already have installed in your enterprise so that documentation and information resources for your installation will make sense. It provides a firm foundation for continuing study or experience in any storage networking environment.

Audience

IT architects, system engineers, and other specialists who need a general introduction to the storage networking environment.

Topics

- SAN overview and standards
    - Storage networking terminology
    - Standards organizations
- Introduction to Fibre Channel
    - Architecture
    - Data transfer protocols
    - Nodes
    - Ports
    - Fabric
    - Switches
    - Directors
    - Hubs
    - Routers
- Storage networking architecture
    - Direct-attached storage (DAS)
    - NAS
    - iSCSI
    - SAN
    - Usage scenarios
- Resource access and sharing option considerations
- Fabric components
    - Fibre Channel host bus adapters

    - Switches
    - Directors
- SAN virtualization
    - EMC Invista
    - Provisioning storage resources
- SAN management