Managing Storage Area Networks

Duration: 5 Days

What you will learn

Managing Storage Area Networks course provides students with a five-day, instructor-led-training and hands-on, multi-vendor environment in which they learn how to configure a SAN infrastructure. It is an excellent learning opportunity for SAN professionals to aid in understanding current SAN technologies and applies those constructs towards the implementation of a SAN solution for their environments. Students will perform tasks on various hardware components to configure a working SAN. The course introduces students to protocols, design, security, and approaches to maintaining a SAN environment.

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Students who can benefit from this course:

System Administrators, Storage Administrators, and Technical Support Personnel responsible for architecting, implementing, and supporting hardware and software components found in a SAN environment

Related Training

Required Prerequisites

System Administration for the Solaris 10 Operating System, Part 2 (SA-202-S10)

Demonstrate Solaris 10 administration skills

Identify and configure networking components

Understand storage fundamentals

Suggested Prerequisites

Deploy RAID configurations across storage arrays

Sun StorageTek 6140 Array Installation and Maintenance (NWS)

Course Objectives

Design and Architect SAN environments

Configure Brocade and Cisco Fibre Channel Switches

Understand and implement IP as a storage transport

Course Topics

Introduction to Storage Area Networks

Understand SAN topologies

Identify SAN components

Use Solaris commands to evaluate a Fibre Channel SAN infrastructure

Evaluate Solaris Device pathing

Storage Area Network Concepts

Identify WWN, Port IDs, and Domain IDs

Understand the switch settings most commonly used in a SAN

List the Fabric protocols

Storage Area Network Design, Security, and Data Services

Use zoning on a FC switch

Understand advantages of LUN masking

Develop SAN architecture using design criteria

List data services and influencing design of SAN

Managing Brocade Fibre Channel Switches

List basic functions and components

Identify Switch capabilities

Use Management Tools

Install Brocade switches

Perform GUI configuration

Perform Command Line configuration

Managing Cisco Switches

List basic functions and components

Identify Switch capabilities

Use Management Tools

Install Cisco switches

Perform GUI configuration

Perform Command Line configuration

SAN Fabric Managers

List basic functions and components

Identify the role of a Fabric Manager

Use management tools

Monitor FC switches

Manage a multi-switch SAN

Internet Protocol (IP) based Storage Area Networks

List benefits of IP as a Storage Transport

Describe common usage of IP as a Storage Transport

List protocols used

Discuss fundamentals of iSCSI

Configuration of iSCSI

Trouble shoot iSCSI