



EMC-Brocade SAN Topics

EMC-BROCADE SAN (STORAGE AREA NETWORK) TRAINING

Designed and Developed by IOCG
3 to 5-day Course: 55% Lecture 45% Lab

3-Day Basics:

Deploy Windows Hosts on Brocade-EMC Clariion Storage Systems

SAN Overview

Course Description

CX Clariion Hardware

I/O Continuity Group has trained several hundred SAN students since the emergence of Fibre Channel technology in 2000. The course revolves around configuring the three basic SAN components: EMC Clariion Storage Systems, Brocade FC Switches and Windows Host Servers. IOCG demystifies the complexity of configuring each SAN-attached device, integrating a 3-in-1 training experience. Our approach is consultative instruction, applying SAN design and configuration best practices to each specific business environment.

Brocade Fibre Channel Infrastructure Config

Windows Host Server Connectivity

Analyzer Performance Tuning

EMC Clariion is a leading mid-tier, scalable storage system. Brocade is the main vendor of FC switches forming a redundant fabric infrastructure. Most network engineers lack time and budget to attend individual vendor training, involving many superfluous advanced features. Our course focuses on the essential, technical topics and configuration details, with optional customized content. IOCG raises the bar by integrating real world experience with every topic.

Microsoft Cluster Servers on SAN

Troubleshooting and Performance Tuning Tips and Checklists

Course Benefits

The EMC-Brocade SAN training offers structure and intelligence to help organizations integrate their storage solution with fabric switches following best industry practices. All aspects of the EMC-Brocade SAN solution are addressed and tuned for performance, to eliminate common problems and oversights.

2-Day Advanced Options:

SAN Copy

Your business objectives and design requirements are key to configuring the initial SAN. Subsequent growth must also be incorporated into best solution. IOCG is attentive to these and many other SAN deployment decisions.

Snapview (integration with Backup)

Mirrorview Disaster Recovery

Whether or not you are a seasoned SAN administrator certified on previous EMC revisions, or a complete novice, IOCG will adapt to the needs of the student. We cover the latest EMC Flare code features and Brocade firmware revisions. With a SAN foundation in place SAN Backup, Disaster Recovery and Virtualization are recommended infrastructure enhancements.

Price (8 students)

US\$9,600 -3-Day Basics

US\$6,400-2 Day Advanced Options

\$400/day per student >8
Equipment Not Included

EMC-Brocade SAN is the only on-site and public class to offer the following features:

- Hands-on cabling and setup labs
- Flare code upgrade practice
- Properly sized and designed SAN deployments
- Integration of EMC, Brocade and Microsoft best practices
- Step-by-step storage provisioning methods

Who Should Attend and Prerequisites

This course is mainly designed for system administrators and systems engineers who are responsible for the SAN infrastructure, storage provisioning and host configurations. CIO's, CTOs and CEOs will benefit from learning the important design topics relevant to ROI and future procurement decisions. The goal is to assist the participant in planning, deploying and supporting an optimized datacenter solution for their particular environment. The course also covers many certification topics tested in EMC and Brocade exams.

Suggested technical background includes:

- Networking and SCSI protocols
- Windows host OS's installation

Objectives

Upon completing this course, the student will be able to:

- Properly design EMC-Brocade SAN Solution
- Cable Storage, Switch and Host Devices
- Understand SAN Storage Topology Options
- Configure three main SAN devices (Clariion Storage, Brocade switches, Windows hosts)
- Troubleshoot Device Connectivity Options
- Provision Storage with Best RAID Geometry
- Tune EMC-Brocade SAN Elements
- Address Dynamic SAN Scalability Issues
- Optionally Configure Snapview, SAN Copy and Mirrorview