Nexus Dashboard Fabric Controller for SAN (NDFCS)

COURSE OVERVIEW

The Nexus Dashboard Fabric Controller for SAN (NDFCS) v1.0 is a 2-day product training course that equips you with relevant skills in SAN (Storage Area Network) management using Nexus Dashboard Fabric Controller. This course is designed to impart a practical understanding of the NDFC tool and its application for managing and troubleshooting tasks. Attendees are expected to have received foundational training and be familiar with FC from an administrative standpoint. The course is beneficial for gaining insights into the Nexus Dashboard Fabric Controller application, allowing you to build a solid foundation for effective SAN management.

WHO WILL BENEFIT FROM THIS COURSE?

This course is designed for individuals in roles such as:

- Network engineer
- Systems engineer
- Data center engineer
- Consulting systems engineer
- Technical solutions architect
- Cisco integrators/partners

PREREQUISITES

Before taking this course, ensure you have:

- Fundamental familiarity with Fibre Channel
- Familiarity with data center infrastructure operations
- Experience in managing Cisco MDS Fibre Channel switches
- Basic understanding of virtualization fundamentals

COURSE OBJECTIVES

After completing this course, you should be able to:

- Deploy a vND Nexus Dashboard on VMware
- Understand and troubleshoot fabric discovery
- Utilize NDFC for MDS administration
- Implement RBAC for User Management and Remote Authentication integration
- Monitor Alarms, Logs, Events, and Audit logging
- Perform N/F/TE/Port-Channel Port Monitoring
- Conduct Endpoint Visibility and Performance Monitoring
- Manage switch software upgrades using NDFC
- Use important Nexus Dashboard CLI Commands
- Generate Tech-Support troubleshooting files
- Execute ND Backup and Restore procedures
- Handle NDFC Upgrades and common deployment issues
- Apply advanced troubleshooting for efficient SAN operations

COURSE OUTLINE

The course covers the following topics:

- Nexus Dashboard Apps and Personas
- Deployment Options Overview
- Virtual vs Physical Appliance Selection
- Installation hardware & IP address requirements
- NDFC Licensing
- NDFC Fabric Discovery
- Overview of Nexus Dashboard
- Fabric Discovery & Overview of ND Fabric Controller
- SAN Configuration
- VSAN Creation
- Administration of FC Interfaces (E-port, N-port) & Port-Channels
- Zoning Administration
- NDFC RBAC Configuration and LDAP Integration
- Alarms, Logs, Events & Audit logging
- Endpoint Visibility & Performance Monitoring
- Congestion Analysis
- MDS Image Management
- Administrative and Troubleshooting Tasks
- CLI Troubleshooting Commands
- Generating a Show Tech-Support
- Switch Discovery Troubleshooting
- Backup and Restore Procedures
- Common deployment issues

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

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- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

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- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

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- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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