Implementing Cisco Data Center Unified Fabric (DCUFI)

Course ID#: 1575-915-ZZ-W

Hours: 35

Course Content

Course Description:

Implementing Cisco Data Center Unified Fabric (DCUFI) v4.0 is a five-day instructor-led course. It is designed for systems and field engineers, consulting systems engineers, technical solutions architects and Cisco integrators and partners who install and implement the Cisco Nexus 7000 and 5000 Series Switches and the Cisco Nexus 2000 Fabric Extenders. The course covers the key components and procedures needed to install, configure, manage, and troubleshoot the Cisco Nexus 7000 and 5000 Series Switches in the network and SAN environment.

Prerequisites:

The knowledge and skills that are recommended before attending this course are as follows:
- Good understanding of networking protocols
- Good understanding of the Fibre Channel protocol and the SAN environment
- Cisco Certified Network Associate (CCNA) level-of-knowledge is recommended for students attending the DCUFI course.
- In order to attain the appropriate level of knowledge of the Fibre Channel protocol and SAN environment, it is recommended that the learner has attended a Fibre Channel protocol course and Implementing Cisco Storage Network Solutions (ICSNS)

Topics:

Module 1: Cisco Nexus Product Overview
- Identifying the Cisco Data Center Business Advantage Architecture
- Identifying Cisco Nexus Products
- Identifying the Cisco Unified Fabric Solution
- Integrating Services

Module 2: Cisco Nexus Switch Feature Configuration
- Configuring Virtual Device Contexts
- Configuring Layer 2 Switching Features
- Configuring Port Channels
- Configuring IP Multicast

Module 3: Cisco Nexus Switch Advanced Feature Configuration
- Configuring Security Features
- Understanding Overlay Transport Virtualization
- Implementing Quality of Service

Module 4: Cisco Nexus Series Switch Management
- Using the Connectivity Management Processor
- Configuring User Management
- Understanding System Management

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Module 5: Redundancy on Cisco Nexus Switches
- Understanding High Availability and Redundancy
- Implementing Cisco FabricPath

Module 6: Fibre Channel over Ethernet
- Understanding Fibre Channel Protocol
- Understanding FCoE Protocol
- Identifying Data Center Bridging Enhancements

Module 7: Fibre Channel over Ethernet Configuration
- Implementing FCoE
- Configuring SAN Switching Features
- Configuring NPV M
- Using SAN Management Tools

Module 8: Troubleshooting on Cisco Nexus Switches
- Troubleshooting the Data Center Infrastructure
- Troubleshooting Tools and Resources