Implementing Cisco Data Center Unified Fabric 5.0 (DCUFI)

Course Summary

Description

Implementing Cisco Data Center Unified Fabric v5.0 is a 5-day ILT training program 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 Switch, and the Cisco Nexus 2000 Fabric Extender. The course covers the key components and procedures needed to install, configure, manage, and troubleshoot the Cisco Nexus 7000 and 5000 Switches in the network and SAN environment

Objectives

At the end of this course, students will be able to:

- Describe the Cisco Unified Fabric products in a Cisco Data Center network architecture
- Select and configure the distinctive Cisco Nexus Series switch features to meet the implementation requirements and expectations in the Cisco Data Center architecture
- Configure advanced features, such as Overlay Transport Virtualization (OTV), Multiprotocol Label Switching (MPLS), Locator/ID Separation Protocol (LISP), security, and quality of service (QoS)
- Identify which management tools are available for the Cisco Nexus switches and how to configure the relevant management tool in order to support the given design
- Understand the Fibre Channel Protocol, the Fibre Channel over Ethernet (FCoE) protocol, and the Data Center Bridging (DCB) enhancements, as well as how to configure FCoE on the Cisco Nexus 5000 7000, MDS Series, and 5500 Platform switches

Topics

- Cisco Nexus Product Overview
- Cisco Nexus Switch Feature Configuration
- Cisco Nexus Switch Advanced Feature Configuration
- Cisco Nexus Storage Features
- Cisco Nexus Series Switch Management

Audience

The primary audience for this course is as follows:

- Data center designers, data center administrators, and system engineers

The secondary audience for this course is as follows:

- Data center engineers and managers
- The tertiary audience for this course is as follows:
- Program managers and project managers

Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- Cisco CCNA® Data Center certification
- A good understanding of the Fibre Channel Protocol and the SAN environment
- Recommended attendance of a Fibre Channel Protocol class or equivalent experience
- Recommended attendance of the Implementing Cisco Storage Network Solutions (ICSNS) class or equivalent experience
- Recommended reading of books by Robert Kembel on Fibre Channel and Fibre Channel switched fabrics

Duration

Five days

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