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## Implementing Cisco Data Center Unified Fabric

**Duration: 5 Days**    **Course Code: DCUFI**

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### Overview:

The Implementing Cisco Data Center Unified Fabric (DCUFI) course is designed for those who install and implement the Cisco Nexus 7000 and 5000 Series switches and the Cisco Nexus 2000 Series Fabric Extenders.

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### Target Audience:

This course is designed for: Systems and field engineers, consulting systems engineers, and technical solutions architects Cisco integrators and partners who install and implement Cisco Nexus 7000 and 5000 Switches and the Cisco Nexus 2000 Fabric Extender Network designers, administrators, and managers responsible for identifying and managing Cisco Nexus products in the data center

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### Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
  - 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
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### Prerequisites:

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

- CCNA DC Certification
  - Understanding of the Fibre Channel protocol and the SAN environment
- To gain the prerequisite skills and knowledge, Cisco also recommends the knowledge of the following course:
- Implementing Cisco Storage Networking Solutions (ICSNS)
  - Introducing Cisco Data Center Networking (DCICN)
  - Introducing Cisco Data Center Technologies (DCICT)

### Testing and Certification

Recommended as preparation for :

- 642-992 - Implementing Cisco Data Center Unified Fabric (**last day to test 31st May 2013**)
  - 642-997 - Implementing Cisco Data Center Unified Fabric DCUFI is one of the courses required for the **Data Center Networking Infrastructure** Partner Specialization (**Retiring 1st June 2013**) and the **Data Center Unified Fabric Technology** Partner Specialization.
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## Content:

### Cisco Nexus Product Overview

- Describing the Cisco Data Center Network Architecture
- Identifying Cisco Nexus Products

### Cisco Nexus Switch Feature Configuration

- Understanding High Availability and Redundancy
- Configuring Virtual Device Contexts
- Configuring Layer 2 Switching Features
- Configuring PortChannels
- Implementing Cisco FabricPath
- Configuring Layer 3 Switching Features
- Configuring IP Multicast

### Cisco Nexus Switch Advanced Feature Configuration

- Describing Cisco OTV
- Configuring MPLS
- Configuring LISP
- Configuring QoS
- Configuring Security Features

### Cisco Nexus Storage Features

- Describing Fibre Channel Protocol
- Describing FCoE Protocol
- Identifying DCB Enhancements
- Configuring FCoE
- Configuring SAN Switching Features
- Configuring NPV Mode
- Using SAN Management Tools

### Cisco Nexus Series Switch Management

- Using the CMP
- Configuring User Management
- Describing System Management

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## Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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