
Designing Cisco Data Center Unified Fabric

Duration: 5 Days **Course Code: DCUFD**

Overview:

The Designing Cisco Data Center Unified Fabric (DCUFD) is aimed at providing data center designers with the knowledge and skills needed to design scalable, reliable, and intelligent data center unified fabrics, and virtualization solutions based on the Cisco Fabric Extenders (FEXs), Fibre Channel over Ethernet (FCoE), Cisco FabricPath, and equipment and link virtualization technologies. The course describes the Cisco Data Center Unified Fabric solutions, and explains how to evaluate existing data center infrastructure, determine the requirements, and design the Cisco Data Center Unified Fabric solution based on Cisco products and technologies.

Target Audience:

This course is designed for: Network designers and architects, data center network administrators, and system engineers Data center network managers and network engineers

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
 - Evaluate the data center solution design and design process regarding contemporary data center challenges, Cisco Data Center Architecture solution, and components
 - Provide a comprehensive and detailed overview of technologies used in data centers, and describe scalability implications and their possible use in cloud environments
 - Design data center connections and topologies in the core layer
 - Explain and design data center storage designs, solutions, and limitations of various storage technologies
 - Design secure data centers that are protected from application-based threats, network security threats, and physical security threats
 - Design data center infrastructure that is required to implement network-based application services
 - Design data center management to facilitate monitoring, managing, and provisioning of data center equipment and applications
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Prerequisites:

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Designing for Cisco Internetwork Solutions (DESGN)
- Designing Cisco Storage Networking Solutions (DCSNS)
- Introducing Cisco Data Center Networking (DCICN)
- Introducing Cisco Data Center Technologies (DCICT)

Testing and Certification

Recommended as preparation for :

- 642-991 - Designing Cisco Data Center Unified Fabrics (**Last day to test 31st May 2013**)
 - 642-996 - Designing Cisco Data Center Unified Fabrics
DCUFD is one of the courses required for the **Data Center Network Infrastructure** Partner Specialization (**Retiring 1st June 2013**) and the **Data Center Unified Fabric Technology** Partner Specialization
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Content:

Cisco Data Center Solutions

- Defining the Data Center
- Identifying the Cisco Data Center Solution
- Designing the Cisco Data Center Solution

Data Center Technologies

- Designing Layer 2 and Layer 3 Switching
- Virtualizing Data Center Components
- Designing Layer 2 Multipathing Technologies

Data Center Topologies

- Designing the Data Center Core Layer Network
- Designing the Data Center Aggregation Layer
- Designing the Data Center Access Layer
- Designing the Data Center Virtualized Access Layer
- Designing High Availability
- Designing Data Center Interconnects

Data Center Storage

- Introducing SAN
- Designing SAN
- Designing Unified Fabric
- Designing SAN Services

Data Center Security

- Designing Data Center Application Security
- Designing Link Security Technologies and Device Hardening
- Designing Storage Security

Data Center Application Services

- Designing Data Center Application Architecture
- Designing Application Services
- Designing Global Load Balancing

Data Center Management

- Designing Data Center Management Solutions

Further Information:

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

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