

Designing Cisco Data Center Unified Fabric v5

DCUFD



Delivery Type: Classroom

Duration: 5 days

Overview

This course 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.

Pre-Requisites

Attendees should meet the following prerequisites:

- ✓ CCNA Data Center Certification (DCICN and DCICT)
- ✓ Knowledge that is covered in the Cisco Nexus product family courses (DCUFI)
- ✓ Knowledge that is covered in the Designing for Cisco Internetwork Solutions(DESIGN) course
- ✓ Knowledge that is covered in the Designing Cisco Storage Networking Solutions (DCSNS) course.

Objectives

After you complete this course you will be able to:

- ✓ 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.

Target Audience

Anyone involved in designing a data center or data center solutions.

Follow on Courses

Delegates looking to achieve their CCNP for DC will require:

- ✓ DCUCI- Implementing Cisco Data Center Unified Computing
- ✓ DCUFI - Implementing Cisco Data Center Unified Fabric

Plus

- ✓ DCUCT - Troubleshooting Cisco Data Center Unified Computing
- ✓ DCUFT - Troubleshooting Cisco Data Center Unified Fabric

Or

- ✓ DCUCD - Designing Cisco Data Center Unified Computing
- ✓ DCUFD - Designing Cisco Data Center Unified Fabric

Delegates looking for Cisco Specialist Certifications will also need:

- ✓ DCUFI- Cisco Data Center Unified Fabric Design Specialist

Certification

Recommended preparation for exam(s):

- ✓ 642-996 - DCUFD

This exam is required for individuals looking to achieve the Cisco Certified Network Professional for Data Center Certification or the Cisco Data Center Unified Fabric Design Specialist Certification.

For more information, please visit [www.dada.bg / certification](http://www.dada.bg/certification)