

Designing Cisco Data Center Unified Computing (DCUCD) 5.0

✓ Prerequisites

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

- Introducing Cisco Data Center Networking (DCICN) and Introducing Cisco Data Center Technologies (DCICT) courses
- Cisco Nexus product family courses (DCNXxK)
- Cisco MDS product family courses (DCMDS)
- Server and desktop virtualization (for example, VMware vSphere, Microsoft Hyper-V, VMware View, Citrix XenDesktop, and so on)
- Operating system administration familiarity (for example, Linux and Windows)

Course Content & Objectives

The Designing Data Center Unified Computing (DCUCD) v5.0 course is part of the curriculum path leading to the Cisco Data Center Unified Computing Design Specialist and Professional level certification. This course enables engineers to choose and design scalable, reliable, and intelligent data center unified computing and virtualization solutions based on the Cisco Unified Computing System (UCS) product portfolio as a centerpiece integrated with contemporary virtualization solutions (for example, VMware vSphere, VMware View, Microsoft Hyper-V, Citrix XenServer, Citrix XenDesktop, Red hat Kernel-based Virtual Machine [KVM], and so on), operating systems (for example, Microsoft Windows and Linux), and applications (database, collaboration, and so on). The course is built upon the foundations of the Cisco Data Center Unified Computing Design (DCUCD) v4.0. It describes the data center unified computing and virtualization solutions based on Cisco data center unified computing product portfolio, explains how to evaluate existing data center computing solution and determine the requirements, and design Cisco data center unified computing solution

These are the job tasks (domains and skill objectives from the audience, as well as job definition and job task analyses that will be taught and practiced in the course).

- 1.00 Describe the design methodology

- 2.00 Describe the data center structure and modularity
- 3.00 Describe the technologies used within the data center
- 4.00 Design the access layer of a data center
- 5.00 Design virtualization solution using Cisco UCS
- 6.00 Design network management considerations into a data center

Course Outline

- Module 1: Cisco Data Center Solution Architecture and Components
- Module 2: Assess Data Center Computing Requirements
- Module 3: Size Cisco Unified Computing Solutions
- Module 4: Design Cisco Unified Computing Solutions
- Module 5: Design Cisco Unified Computing Solutions Server Deployment

Who Should Attend

- Channel Partner / Reseller
- Customer
- Employee