
DCICN - Introducing Cisco Data Center Networking (DCICN) v6.1

Overview

Course Code	DCICN	Duration	5.0 days
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Introducing Cisco Data Center Networking (DCICN) v6.1 is a five-day instructor-led course is designed to help students prepare for the Cisco CCNA® Data Center certification and for associate-level data center roles. The course covers foundational knowledge, skills, and technologies including network protocols and host-to-host communication, data center networking concepts and technologies, data center storage networking, and Cisco Unified Computing System (UCS) architecture.

Audience

- Channel Partners
- Customers
- Employees

Pre-Requisites

It is recommended that a learner has the following knowledge and skills before attending this course:

- Good understanding of networking protocols
- Good understanding of the VMware environment
- Basic computer literacy
- Basic knowledge of Microsoft Windows operating systems
- Basic Internet usage skills

Key Topics

- Module 1: Network Protocols and Host-to-Host Communication
- Module 2: Basic Data Center Networking Concepts
- Module 3: Advanced Data Center Networking Concepts
- Module 4: Basic Data Center Storage
- Module 5: Advanced Data Center Storage
- Module 6: Cisco UCS Architecture

Objectives

Upon completion of this course, you will be able to:

Describe and identify data center network protocols and host-to-host communication

Describe basic data center networking concepts and use the Cisco NX-OS command-line interface and implement VLANs, trunks, and port channels

Describe advanced data center networking concepts, implement multilayer switching, and perform basic configuration: protocols (OSPF, EIGRP, HSRP); AAA on Cisco NX-OS devices and secure remote administration; and access control lists

Describe and compare basic data center storage connectivity options and configure VSANs

Describe advanced data center storage and configure zoning, NPV mode, and NPIV on Cisco Nexus and Cisco MDS switches

Identify the components of Cisco UCS architecture and use the Cisco UCS Manager GUI

Details