

Module Title : Introducing Cisco Data Center Networking (DCICN) 6.1

Duration : 5 days

Prerequisites

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

Course Content

Introducing Cisco Data Center Networking (DCICN) v6.1 is a five-day instructor-led course 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.

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

Course Outline

- 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

Who Should Attend

- Channel Partners
- Customers
- Employees