

Introducing Cisco Data Center Networking (DCICN)

Duration 5 Days

COURSE CONTENT

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 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:** Data Center Physical Infrastructure
- **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

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 6.0

Who Should Attend

- Channel Partners
- Customers
- Employees
- Entry-level to experienced Network Administrator
- Network Engineer
- Network Designer
- System Administrator
- Systems Engineer
- Technical Solutions Architect