Introducing Cisco Data Center Networking (DCICN) v6.2

Code:	DCICN-GK
Length:	5 days
URL:	View Online

This course includes Cisco Training Exclusives

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The *DCICN - Introducing Cisco Data Center Networking v6.2* course, prepares IT professionals for the Cisco CCNA Data Center certification and for associate-level data center roles. This course covers foundational knowledge, skills, and technologies, including data center networking concepts, data center storage networking, and data center physical infrastructure.

Skills Gained

- Describe the characteristics and benefits of the Ethernet protocol
- Describe the OSI and TCP/IP models
- Describe IPv4 and IPv6 network layer addressing
- Describe the packet delivery process
- Compare and contrast TCP/IP with the OSI model
- Examine the Cisco Data Center network architectures
  - The 2- and the 3-tier network design
  - The spine/leaf network design
- Describe Cisco Nexus products and explain basic functionalities and tools of Cisco NX-OS
- Describe VLANs
- Describe issues with STP
- Describe the routing process on Nexus switches
- Describe Layer 3 first hop redundancy
- Describe and configure user security features
- Describe ACL object groups
- Describe storage connectivity options in the Data Center
- Compare iSCSI, Fibre Channel, and NAS connectivity for remote server storage

- Describe Fibre Channel storage networking
- Describe VSANs
- Describe communication between the initiator and target
- Describe Fibre Channel zone types and their uses
- Describe NPV and NPIV
- Describe data center Ethernet enhancements that provide a lossless fabric
- Describe Fibre Channel over Ethernet
- Describe the components of a Cisco UCS server
- Describe the Cisco UCS physical connectivity for a Fabric Interconnect cluster
- Describe the Cisco UCS Manager interfaces

Who Can Benefit

- Network administrators, engineers, designers, and managers
- Cisco integrators/partners
- Systems engineers
- Consulting systems engineers
- Technical solutions architects

Prerequisites

- 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

Schedule (as of 4)

Date	Location

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