

Course Outline

DCICN: Introducing Cisco Data Center Networking v6.2

General Description

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

Outcomes

At the end of the course, students will be able to:

- Describe the OSI and TCP/IP models
- 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, and the spine/leaf network design
- Describe Cisco Nexus products and basic functionalities and tools of Cisco NX-OS
- Describe VLANs and VSANS
- 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
- Describe Fibre Channel storage networking, zone types and their uses
- Describe data center Ethernet enhancements that provide a lossless fabric
- Describe the Cisco UCS physical connectivity for a Fabric Interconnect cluster
- Describe the Cisco UCS Manager interfaces and components of a Cisco UCS server

Audience Profile

- Data Center Engineer
- Network Administrator
- Network Engineer
- System Administrator
- Systems Engineer
- Network Designer
- Consulting Systems Engineer
- Technical Solutions Architect

Prerequisites

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

- 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

 **1300 86 87246**
1300 TO TRAIN

Course Details

Course code: DCICN
Duration: 5 days
Starting time: 9am
Finishing time: 4.30pm

Booking guidelines

Contact our learning consultants on 1300 86 87246 and we will assist you with your booking.

For more information about any of our training courses, contact our Learning Consultants
on **1300 86 87246** or email us on info@advancedtraining.com.au

Visit us on the web at www.advancedtraining.com.au

Course Outline



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