



Implementing Cisco Data Centre Network Infrastructure 2 v3.0 (DCNI-2)

Description

Cisco Data Centre Networking Infrastructure-2 (DCNI-2) version 3.0 is a 5-day hands-on course that replaces the DCNI-2 course with 3-1/2 days of actual Nexus 7000 and 1-1/2 days of Nexus 2000 & 5000 lecture and hands on labs. DCNI-2 Nexus teaches you how to implement an enterprise Data Centre routing and switching infrastructure with the next-generation Cisco Nexus product family and includes an overview of the FCoE. This course provides a technical overview of the Nexus platform architecture, deployment, and operations, including Virtual Device Contexts, Layer 2, QoS, and security. You will explore the features of NX-OS and the Nexus platform by performing hands-on labs using a solution level topology.

Course Objectives

After completing this course, students should be able to:

- Describe the key features of the Nexus 7010 chassis
- Describe Supervisor Engine and Line Card Module features
- Describe the key features of the Nexus 7010 power supplies and fan-cooling system
- Describe the Connectivity Management Processor
- Describe the basic architecture of NX-OS
- Explain NX-OS Process Recovery
- Explain NX-OS Supervisor Redundancy
- Explain how the Nexus 5000 functions within SAN and LAN environments
- Describe the Fibre Channel over Ethernet (FCoE) protocol

Who Should Attend

- Customer
- Employee
- Channel Partners/Resellers

Recommended pre-requisites

- Introduction to Cisco Networking Technologies (INTRO)
- Interconnecting Cisco Networking Devices (ICND)
- Building Cisco Multilayer Switched Networks (BCMSN)
- Building Scalable Cisco Internetworks (BSCI)
- Securing Cisco Network Devices (SND) or Implementing Secure Converged Wide Area Networks (ICSW)

Length of Course

5 Days.

Maximum Class Size

12 Students

Class Locations

All APAC locations, subject to suitable venue.

Course Outline

Module 1: Using the Cisco Nexus 7000 in Data Centre Networks:

- Lesson 1: Understanding the Cisco Nexus 7000 Series Switches
- Lesson 2: Overview of the Cisco Nexus 7000
- Lesson 3: Introducing to Virtual Device Contexts in the Cisco Nexus 7000
- Lesson 4: Managing the Cisco Nexus 7000
- Lesson 5: Cisco Nexus 7000 and NX-OS Layer 2 Protocols & Features
- Lesson 6: Nexus 7000 and Cisco NX-OS Layer 3 Protocols & Features
- Lesson 7: Cisco Nexus 7000 / NX-OS Quality of Service
- Lesson 8: Cisco Nexus 7000 and Cisco NX-OS Security
- Lesson 9: Troubleshooting

Module 2: Overview of the Nexus 5000 and Nexus 2000:

- Lesson 1: Overview of the Nexus 5000 and Nexus 2000
- Lesson 2: Understanding Fibre Channel
- Lesson 3: Implementing an FCoE Network Using Nexus 5000 Switches

Further Information

Housley Communications Pty Ltd

Suite 1301, 132 Arthur Street
North Sydney NSW 2060 Australia
Tel: +61 2 9954 4055
Fax: +61 2 9959 5570
Email: learning@housley.com.au