



Implementing and Configuring the Cisco Nexus 5000 v1.2 (ICNX5)

Description

In this hands-on course, you will learn how to design, implement, and manage a Fibre Channel over Ethernet (FCoE) infrastructure using the Cisco Nexus 5000 platform. This course covers FCoE design guidelines, configuring FCoE on servers, and configuring FCoE on switches in switch mode and NPV mode. You will learn about the architecture of the Nexus 5000 FCoE switches, and how this architecture affects traffic flow in an FCoE network

Course Objectives

After completing this course, students should be able to:

- Identify the benefits provided by Nexus 5000 switches in common user scenarios
- Explain how the Nexus 5000 operates within SAN and LAN environments
- Discuss the 10GB Ethernet capabilities of the Nexus 5000 switch
- Explain the HPC applications for the nexus 5000 switch
- Review the operation of Fibre Channel within SAN environments
- Discuss the Nexus 2000 fabric extender
- Discuss the Nexus 1000v virtual switch
- Describe how FCoE operates within SAN and LAN environments
- Describe the core features of the NX-OS platform
- Describe the ASIC-level architecture of the switch and CNAs, and explain how the architecture impacts network design
- Configure the Nexus 5000 in switch mode and NPV mode
- Manage traffic flow and priority
- Configure security policies
- Implement high-availability configurations
- Troubleshoot FCoE environments and Nexus 5000 hardware and configurations

Who Should Attend

This course is designed for experienced Network Field Engineers who are already capable of implementing Layer 2 services using Cisco IOS. Basic working knowledge of Fibre Channel and Storage Networking is also strongly recommended.

Recommended pre-requisites

- Ability to configure advanced Layer 2 Ethernet services, including QoS and Spanning Tree
- Familiarity with Cisco Ethernet switching products
- Basic working knowledge of Fibre Channel and Storage Networking
- Understanding of Cisco data centre architecture

Length of Course

3 Days.

Maximum Class Size

12 Students

Class Locations

All APAC locations, subject to suitable venue.

Further Information

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