
Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) V1.1

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HAPPENS EVERYDAY!***



Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) V1.1

Course Duration

5 Days

Course Price

\$4,595.00

46 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

About this Class

The Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) V1.0 course gives you a detailed understanding of the Cisco® Nexus switch platform and teach you how to install, configure, and manage Cisco Nexus® switch platforms in a scalable, highly available environment. Through a combination of lectures and hands-on labs, you will learn how to describe various aspects of the Cisco Nexus product families and platforms, including implementation, management, security, programmability and storage. Additionally, you will learn how to configure device aliases and zoning, Fibre Channel over Ethernet (FCoE), and N-Port Identifier Virtualization (NPIV), and N-Port Virtualization (NPV) modes.



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How you will benefit

This class will help you:

- Describe, implement, configure, and manage Cisco Nexus product families and platforms, including redundancy protocols and security features, in a scalable environment
- Gain valuable hands-on experience with Cisco Nexus products in a lab setting
- Develop expertise with the Cisco Nexus product families and platforms

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The job roles best suited to the material in this course are:

- Data Center System Engineers
- Field Engineers
- Architects
- Cisco partners using Cisco Nexus Series switch platforms

Prerequisites

- Be familiar with Cisco data center technologies
- Understand networking protocols, routing, and switching

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Objectives

After taking this course, you should be able to:

- Describe the platforms that make the Cisco Nexus 9000, 7000, 3000, and 2000 product families
- Describe Cisco Nexus platform implementations
- Explain Cisco Nexus platform management
- Describe Port Channels and Virtual Port Channels
- Configure First Hop Redundancy protocols
- Configure security features of Cisco Nexus devices
- Describe the Cisco Nexus devices routing and forwarding
- Describe Virtual Extensible LAN (VXLAN)
- Describe Quality of Service (QoS) on Cisco Nexus Devices
- Explain system management and monitoring processes
- Describe Cisco NX-OS programmability
- Describe Cisco Nexus storage services
- Configure device aliases and zoning
- Configure FCoE
- Configure NPIV and NPV modes

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Course Outline

- Module 1: Describing Cisco Nexus Series Switches
- Module 2: Describing Cisco Nexus Platforms Implementation
- Module 3: Describing Cisco Nexus Platforms Management
- Module 4: Describing Port Channels and Virtual Port Channels
- Module 5: Configuring First Hop Redundancy Protocols
- Module 6: Configuring Cisco Nexus Security Features
- Module 7: Describing Cisco NX-OS Routing and Forwarding
- Module 8: Describing Virtual Extensible LAN
- Module 9: Describing QoS on Cisco Nexus Devices
- Module 10: Configuring System Management and Monitoring
- Module 11: Describing Cisco NX-OS Programmability
- Module 12: Describing Cisco Nexus Storage Services
- Module 13: Configuring Fibre Channel Over Ethernet
- Module 14: Describing Device Aliases and Zoning
- Module 15: Configuring NPIV and NPV Modes

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Lab Outline

- Lab 1: Test Cisco Nexus Platforms
- Lab 2: Configure User Management
- Lab 3: Configure vPC
- Lab 4: Configure First Hop Redundancy Protocol (FHRP) Protocols
- Lab 5: Configure Cisco Nexus Security Features
- Lab 6: Configure Open Shortest Path First (OSPF)
- Lab 7: Configure VXLAN
- Lab 8: Configure QoS
- Lab 9: Configure System Management
- Lab 10: Configure Cisco NX-OS On-Box Programmability
- Lab 11: Configure Containers on Cisco NX-OS
- Lab 12: Configure Cisco NX-OS Using Ansible
- Lab 13: Configure Basic Fibre Channel Features