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

Category: Infrastructure & IT Operations | **Vendor:** Cisco

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The Implementing Cisco NX-OS Switches and Fabrics in the Data Center training gives you a detailed understanding of the Cisco® Nexus switch platform and teaches 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) mode. .

How You'll Benefit

This training 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
- Earn 40 CE credits towards recertification

About This Course

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Who Should Attend

- Data center systems engineers
- Field engineers
- Architects
- Cisco partners using Cisco Nexus Series switch platforms

Prerequisites & Entry Requirements

General Prerequisites:

Students should:

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

The following recommended Cisco offerings may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU)
- Implementing and Operating Cisco Data Center Core Technologies (DCCOR)

Learning Outcomes

Upon successful completion of this course, participants will be able to:

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

Detailed Course Outline

- Describing Cisco Nexus Series Switches
- Describing Cisco Nexus Platforms Implementation
- Describing Cisco Nexus Platforms Management
- Describing Port Channels and Virtual Port Channels
- Configuring First Hop Redundancy Protocols
- Configuring Cisco Nexus Security Features
- Describing Cisco NX-OS Routing and Forwarding
- Describing Virtual Extensible LAN

- Describing QoS on Cisco Nexus Devices
- Configuring System Management and Monitoring
- Describing Cisco NX-OS Programmability
- Describing Cisco Nexus Storage Services
- Configuring Fibre Channel Over Ethernet
- Describing Device Aliases and Zoning
- Configuring NPIV and NPV Modes

Skills You Will Learn:

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Frequently Asked Questions

Q: What delivery options are available for Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 5-day Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Implementing Cisco NX-OS Switches and Fabrics in the Data Center, Cisco Data Center, DCNX

Q: Why choose Nexus Human for Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing Cisco NX-OS Switches and Fabrics in the Data Center (DCNX) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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