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Document Generated: 12/18/2025

Learning Style: On Demand

Technology: Cisco

Difficulty: Intermediate

Course Duration: 40 Hours

Introducing Cisco NX-OS Switches and Fabrics in the Data Center (DCINX) v1.0 - On Demand

Course Information

About this course:

This course will give you a technical background of the Cisco Nexus® switches' key

capabilities that contribute to performance, high availability, flexibility, operational simplicity, and investment protection. The capabilities covered may include platforms, architecture, software, management, and features.

You will have hands-on practice exploring key features including virtual device contexts (VDCs), First Hop Redundancy Protocols (FHRPs), and user management. Technical decision makers and IT professionals who architect, implement, and manage Cisco Nexus switches in data center environments would find this course beneficial.

You may also take the Configuring Cisco NX-OS Switches and Fabrics in the Data Center (DCCNX) v1.0 course after taking this course. It will help you to configure the Cisco Nexus Switches using Cisco Nexus Operating System (Cisco NX-OS).

Course Objective:

You will be able to develop following skills after taking this course:

- Describe virtual device contexts
- Describe port channels and virtual port channels
- Configure First Hop Redundancy Protocols
- Identify the platforms that make the Cisco Nexus 7000, 5000, 3000, and 2000 product families
- Implement Cisco Nexus
- Explore Cisco Nexus basic features

Audience:

- Technical decision makers
- Cisco integrators and partners
- Solutions, data center, and network architects
- System, data center, network, and pre-sales engineers

Prerequisite:

You should have a grip in the following areas to fully benefit from this course

- Understanding of networking protocols, routing, and switching
- Understanding of business and application requirements
- Familiarity with Cisco data center technologies

These are the recommended Cisco courses that may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Understanding Cisco Data Center Foundations (DCFNDU) v1.0
- Introducing Cisco Data Center Networking (DCICN)
- Introducing Cisco Data Center Technologies (DCICT)
- Implementing and Operating Cisco Data Center Core Technologies

https://www.quickstart.com/catalog/product/view/id/5222/s/introducing-cisco-nx-os-switches-and-fabrics-in-the-data-center-dcinx-v1-0-on-demand/

(DCCOR) v1.0

Course Outline:

Identifying Cisco Nexus Platforms

Cisco Nexus 7000 and 7700 Series Overview
Cisco Nexus 5600 Series Overview
Cisco Nexus 3000 Series Overview
Cisco Nexus 2000 Series Overview

Implementing Cisco Nexus

Cisco Nexus in Data Center Architecture
Cisco NX-OS Software
Licensing Model

Managing Cisco Nexus

Cisco Nexus CLI and GUI Management Interfaces
Cisco NX-OS Setup Utility
PowerOn Auto Provisioning
Cisco NX-OS User Management
User Account and Role Configuration

Describing Virtual Device Contexts

Virtual Device Context
VDC Types
VDC Resources and Resource Templates

Describing Port Channels and Virtual Port Channels

Port Channel Operation
vPC Concept and Benefits
vPC Architecture
vPC Control and Data Plane

Configuring First Hop Redundancy Protocols

HSRP Overview
VRRP Overview
GLBP Overview