

DCINX - Introducing Cisco NX-OS Switches and Fabrics in the Data Center (DCINX)

COURSE OVERVIEW:

The Introducing Cisco NX-OS Switches and Fabrics in the Data Center (DCINX) v1.0 course gives you a technical overview the Cisco Nexus® Switches key capabilities including platforms, architecture, software, management, and features that contribute to performance, high availability, flexibility, operational simplicity, and investment protection. The course is for technical decision makers and IT professionals who architect, implement, and manage Cisco Nexus switches in data center environments. You will have hand-on practice exploring key features including Virtual Device Contexts (VDC), First Hop Redundancy protocols (FHRPs), and user management.

The Configuring Cisco Nexus Switches (DCCNX) v1.0 course may also be taken after taking this course to learn how to configure the Cisco Nexus Switches using Cisco® NX-OS.

WHO WILL BENEFIT FROM THIS COURSE?

- Solutions architects
- Data center architects
- Network architects
- System engineers
- Data center engineers
- Network engineers
- Technical decision makers
- Presales engineers
- Cisco integrators and partners

PREREQUISITES:

To fully benefit from this course, you should have the following knowledge and skills:

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

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
- Implementing and Operating Cisco Data Center Core Technologies (DCCOR) v1.0
- Introducing Cisco Data Center Networking (DCICN)
- Introducing Cisco Data Center Technologies (DCICT)

COURSE OBJECTIVES:

After taking this course, you should be able to:

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

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 Platforms

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

Managing Cisco Nexus Platforms

- Cisco Nexus Command-line Interface (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 (VDC)

- 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

- Hot Standby Router Protocol (HSRP) Overview
- Virtual Router Redundancy Protocol (VRRP) Overview
- Gateway Load Balancing Protocol (GLBP) Overview

Lab Outline

- Explore Cisco Nexus Platforms
- Configure User Management
- Configure VDC and User Management
- Configure and Verify vPC
- Configure FHRP Protocols

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their cloud technology investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

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Premiere World Class Instruction Team

- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience.
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience

- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience

- You have the option to attend classes at any of our established training facilities or from the convenience of your home or office with the use of our HD-ILT network (High Definition Instructor Led Training)
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service

- Dedicated account manager to suggest the optimal learning path for you and your team
- Enthusiastic Student Services team available to answer any questions and ensure a quality training experience