
Configuring Cisco Nexus 5000 Switches

Duration: 5 Days **Course Code: DCNX5K**

Overview:

The Configuring Cisco Nexus 5000 Switches (DCNX5K) course provides the key components and procedures that are needed to install, configure, manage, and troubleshoot Cisco Nexus 5000 Series Switches and Cisco Nexus 2000 Series Fabric Extenders in the LAN, SAN, and unified fabric environments.

Target Audience:

This course is designed for: Network engineers who sell, implement, and maintain Cisco Nexus products in the data center

Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
 - Identify the products that comprise the Cisco Nexus 5000 Series Switches product family
 - Identify the products that comprise the Cisco Nexus 2000 Series Fabric Extender product family
 - Understand Cisco Nexus 5000 Series Switch system architecture
 - Understand the architecture, features, and usage of the Cisco Nexus Operating System (NX-OS) Software
 - Configure network features on Cisco Nexus 5000 Series Switches for LAN operation
 - Configure Cisco Nexus 2000 Series Fabric Extenders for operation with the Cisco Nexus 5000 Series Switches
 - Configure Ethernet port channels and virtual port channels (vPC) on Cisco Nexus 5000 Series Switches
 - Configure Quality of Service (QoS)
 - Identify and understand the components of the Fibre Channel Protocol, the Fibre Channel over Ethernet (FCoE) protocol, and IEEE Data Center Bridging (DCB) Ethernet Enhancements
 - Configure Cisco Nexus 5000 Series Switches to support the FCoE protocol
 - Configure Cisco Nexus 5000 Series Switches for connection to the SAN
 - Secure the operation of Cisco Nexus 5000 Series Switches
 - Configure system management features on Cisco Nexus 5000 Series Switches
 - Understand the high availability and In Service Software Update (ISSU) features of Cisco Nexus 5000 Series Switches
 - Understand and implement a structured troubleshooting process using available tools and resources of Cisco Nexus 5000 Series Switches and troubleshoot real world issues relating to the LAN, SAN, and FCoE
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Prerequisites:

The knowledge and skills that a learner must have before attending this course are as follows:

- Good understanding of networking protocols
- Good understanding of the Fibre Channel Protocol and the SAN environment

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Implementing Cisco Storage Network Solutions (ICSNS)
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Follow-on-Courses:

- There are no follow-ons for this course
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Content:

Cisco Nexus 5000 Series Switches Product Overview

- Introducing the Cisco Nexus 5000 Series Switches
- Cisco Nexus 2000 Series Fabric Extender Product Overview
- High-Level Product Features Overview
- Deployment Considerations

Cisco Nexus 5000 Series Switch Hardware Architecture and Device Administration

- Cisco Nexus 5000 Series Switch Hardware Architecture
- Hardware Installation Procedures
- Configuring User Management
- Graphical Management Tools
- Configuring System Management
- Understanding Cisco Nexus High Availability
- Troubleshooting Tools

Cisco Nexus 5000 Series Switch Network Feature Configuration

- The Cisco NX-OS Software Architecture
- Configuring Layer 2 Switching Features
- Troubleshooting Layer 2 Switching
- Configuring the Cisco Nexus 2000 Series Fabric Extender
- Configuring Virtual Port Channels and Enhanced vPC
- Configuring Host Virtual Port Channels
- Configuring Quality of Service
- Configuring Cisco FP
- Understanding the Fibre Channel Protocol
- Understanding the FCoE Protocol
- Identifying Data Center Bridging Enhancements
- Configuring FCoE
- Troubleshooting FCoE
- Configuring SAN Switching Features
- Implementing Cisco NPV Mode and

Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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