
IMPLEMENTING THE CISCO NEXUS 5000 AND 2000 (CI-DCNX5K)

Temario

This course is specifically designed for engineers involved in the implementation, installation and maintenance of a Cisco Nexus 5000 Switch. The course provides the key components and procedures needed to install, configure, manage and troubleshoot the Cisco Nexus 5000 Series Switch in the network and SAN environment

Pre-requisitos

- Good understanding of networking protocols ICND1 and ICND2 or CCNABC recommended .
- Good understanding of the Fibre Channel protocol and the SAN environment ICSNS recommended .

Dirigido a

This course is designed for network engineers, systems engineers, consulting systems engineers, technical solutions architects, and Cisco integrators and partners who sell, implement, and maintain Cisco Nexus 5000 products in the data center.

Objetivos del curso

- Identify which products make up the Cisco Nexus 5000 product range, understand the system architecture, and the Cisco Nexus Operating System (NX-OS) Software features running on the Cisco Nexus 5000 Series Switch
- Configure the network features on the Cisco Nexus 5000 Series Switch
- Configure the system management features on the Cisco Nexus 5000 Series Switch
- Identify the different components of the Fibre Channel protocol, the Fibre Channel over Ethernet (FCoE) protocol, and the Data Center Bridging (DCB) Enhancements
- Configure the Cisco Nexus 5000 Series Switch to support the FCoE protocol
- Identify the troubleshooting process on the Cisco Nexus 5000 Series Switch and how to troubleshoot issues relating to the network and the SAN

Contenido

Cisco Nexus 5000 Series Switch Product Overview

- Introducing the Cisco Nexus 5000 Series Switch Product
- Understanding Cisco Nexus 5000 and 2000 System Architecture
- Understanding Cisco NX-OS Software Architecture
- Installing the Cisco Nexus Series Hardware

Network Feature Configuration on the Cisco Nexus 5000 Series Switch

- Configuring Layer 2 Switching Features Configuration
- Configuring Port Channels and Virtual Port Channels
- Configuring QoS on the Cisco Nexus 5000 Series Switch

System Management Features

- Configuring Management Features on the Cisco Nexus 5000 Series Switch
- Configuring System Management on the Cisco Nexus 5000 Series Switch

Fibre Channel over Ethernet

- Understanding the Fibre Channel Protocol
- Understanding the FCoE Protocol
- Identifying Data Center Bridging Enhancements
- **Configuring Fibre Channel over Ethernet**
- Configuring FCoE
- Configuring SAN Switching Features
- Configuring SAN Management Tools
- Configuring SAN Security Features
- Configuring NPV Mode

Troubleshooting Cisco Nexus Switches

- Troubleshooting Layer 2 Switching
- Troubleshooting SAN Switching
- Troubleshooting FCoE