

# Configuring Cisco Nexus 7000 Switches

## (DCNX7K)

### **Temario:**

This course is designed for systems and field engineers who install and implement Cisco Nexus 7000 Series Switches. It covers the key components and procedures that you need to know to configure, manage, and troubleshoot the Cisco Nexus 7000 Series Switch platform. Through hands-on labs using Cisco NX-OS Release 7.2, you will gain an understanding of the day-to-day operation of the switches, including key features and functions.

### **Dirigido a:**

Channel Partners and Resellers  
Customers  
Employees

### **Objetivos del Curso**

#### **After completing this course you should be able to:**

- Identify the architecture, features, and deployment models of the Cisco Nexus 7000 Series Switches
- Describe the hardware architecture, perform hardware installation, and configure device administration features and functions including vPC, FCoE, FabricPath, VXLAN, NX-API, OTV, LISP, ITD, and MPLS
- Configure the relevant management tools and use key troubleshooting features on the Cisco Nexus 7000 Series Switches
- Configure the security and Quality of Service (QoS) features
- Identify the networking and storage features and configure, manage, optimize, verify and troubleshoot them

## **Contenido**

- Module 1: Cisco Nexus 7000 Series Switches
- Module 2: Cisco Nexus 7000 Series Switch
- Module 3: Cisco Nexus 2000 Series Fabric
- Module 4: Cisco NX-OS Software
- Module 5: Cisco Nexus 7000 Series Switch Administration, Management, and Troubleshooting
- Module 6: Virtual Device Contexts on Cisco Nexus 7000 Series Switches
- Module 7: Layer 2 Switching Features on Cisco Nexus 7000 Series Switches
- Module 8: Port Channels and Virtual Port Channels on Cisco Nexus 7000 Series Switches
- Module 9: Cisco FabricPath on Cisco Nexus 7000 Series Switches
- Module 10: Layer 3 Switching Features on Cisco Nexus 7000 Series Switches
- Module 11: MPLS on Cisco Nexus 7000 Series Switches
- Module 12: Cisco OTV on Cisco Nexus 7000 Series Switches
- Module 13: VXLAN on Cisco Nexus 7000 Series Switches
- Module 14: LISP on Cisco Nexus 7000 Series Switches
- Module 15: FCoE on Cisco Nexus 7000 Series Switches
- Module 16: Security Features on Cisco Nexus 7000 Series
- Module 17: QoS on Cisco Nexus 7000 Series Switches
- Module 18: Cisco ITD and RISE on Cisco Nexus 7000 Series Switches
- Module 19: Cisco NX-API and Python on Cisco Nexus 7000 Series Switches

## **Prerequisites**

It is recommended, but not required, that students have basic knowledge of:

- Good understanding of data center technologies, networking protocols, routing, and switching
- CCNA Data Center Certification
- Attended the Implementing Cisco IP Routing (ROUTE) class
- Attended the Implementing Cisco IP Switched Networks (SWITCH) class