

C9KNX (CONFIGURING CISCO NEXUS 9000 IN NX-OS MODE (C9KNX)) 2.0

Objetivo

After taking this course, you should be able to:

- Explain the design, operation, and features of the Cisco NX-OS operating system;
- Describe the operation of the Cisco Nexus 9000 Series of switches;
- Configure, troubleshoot, and deploy the Cisco Nexus 9000 Series of switches;
- Describe and configure the various automation features of the Cisco Nexus 9000 Series of switches;
- Explain and perform maintenance, monitoring, and operations tasks on the Cisco Nexus 9000 series of switches.

Público Alvo

Data Center Professionals who seek training to deploy, operate, and maintain Cisco Nexus 9000 Switches.

Pré-Requisitos

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

- Familiarity with Cisco Ethernet switching products;
- Understand Cisco Data Center architecture.

Carga Horária

24 horas (3 dias).

Conteúdo Programático

Course Introduction

- Course Outline
- Course Goals & Objectives

Cisco NX-OS Architecture, Design, and Operation

- Cisco NX-OS Software Architecture
- Cisco NX-OS Platform-Specific Features
- Cisco NX-OS and Cisco Internetwork Operating System (Cisco IOS®) Software Comparison

Cisco Nexus 9000 Series Switches for the Data Center

- Cisco Nexus 9000 Series Hardware Architecture
- Cisco Nexus 9000 Series Packet Forwarding
- Troubleshooting Cisco Nexus 9000 Series Switches
- Cisco Nexus 9000 Series Deployment Considerations
- Cisco Nexus 9000 Series NX-OS Features
- Configuring Virtual Extensible LAN (VXLAN)/Ethernet VPN (EVPN) on the Cisco Nexus 9000 Series Switches

Cisco Nexus 9000 Series Programmability, Automation, and Monitoring

Cisco Nexus Programmability Basics

Cisco Nexus 9000 Series Automation and Orchestration

Cisco Nexus 9000 Series Visibility and Monitoring

Lab outline

Lab 1: Managing Cisco Nexus Hardware and Software

Lab 2: Configuring Cisco NX-OS Layer 2 Features

Lab 3: Configuring Cisco NX-OS Layer 3 Features

Lab 4: Configuring Cisco NX-OS High Availability

Lab 5: Cisco Nexus 9000 Series Device Management

Lab 6: Cisco Nexus 9000 Series Troubleshooting

Lab 7: Configuring VXLAN/EVPN

Lab 8: Cisco Nexus Programmability

Lab 9: Discovering Cisco Data Center Network Manager (DCNM)