

Implementing Cisco Nexus 9000 Switches in NX-OS Mode – Advanced (DCNXA)

ID DCNXA Price 4,595.— €(excl. tax) Duration 4 days

Course Overview

The Implementing Cisco Nexus 9000 Switches in NX-OS Mode – Advanced (DCNXA) v1.0 course provides advanced training in applying and managing the Cisco Nexus® 9000 Series Switches in NX-OS mode. The Cisco® NX-OS platform deploys Virtual Extensible LAN (VXLAN) and Ethernet VPN (EVPN) using Cisco Data Center Network Manager (DCNM), implements Multi-Site VXLAN EVPN, and integrates L4-L7 services into the fabric providing external connectivity, utilizing advanced tenant features. You will also learn how to implement Cisco NX-OS Enhanced Policy-Based Redirect (ePBR) and Intelligent Traffic Director (ITD) features.

Please note the hand-on-practice labs in this class use DCNM for configuration rather than NDFC.

How you'll benefit

This course will help you:

- Learn how you can integrate Cisco Nexus 9000 Switches in NX-OS mode to manage your enterprise IT environment
- Understand the common platform architecture and key features of the Cisco Nexus 9000 Series in NX-OS mode to provide a consistent set of provisioning, management, and diagnostic capabilities for applications

Who should attend

IT professionals interested in understanding the capabilities of Cisco Nexus 9000 Series Switches including:

- Data center engineer
- Field engineer
- Network designer
- Network administrator
- Network engineer
- Systems engineer

- Technical solutions architect

Prerequisites

Basic knowledge in the following areas can help you get the most from this course:

- Networking protocols, routing, and switching
- General Cisco data center technologies
- Virtualization fundamentals
- Cisco Nexus platform management

The following course offerings may help you meet these prerequisites:

- [Implementing and Administering Cisco Solutions \(CCNA\) v2.2](#)
- [Understanding Cisco Data Center Foundations \(DCFNDU\)](#)
- [Implementing and Operating Cisco Data Center Core Technologies \(DCCOR\)](#)
- [Implementing Cisco NX-OS Switches and Fabrics in the Data Center \(DCNX\)](#)

Course Objectives

After taking this course, you should be able to:

- Configure VXLAN EVPN in a single site using Cisco DCNM
- Configure a Multi-Site VXLAN EVPN
- Configure L4-L7 service redirection
- Configure external connectivity from a VXLAN EVPN
- Configure tenant-level features and Tenant-Routed Multicast (TRM) in VXLAN EVPN
- Configure Cisco NX-OS Enhanced Policy-Based Redirect (ePBR) and Intelligent Traffic Director (ITD)

Detailed Course Outline

- Describing VXLAN EVPN in Single Site
- Describing Multi-Site VXLAN EVPN

- Describing Layer 4-Layer 7 Service Redirection
- Describing External Connectivity from VXLAN EVPN
- Describing VXLAN EVPN Functionality Enhancements
- Describing Cisco NX-OS Enhanced Policy-Based Redirect and Intelligent Traffic Director

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