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Implementing Cisco Nexus 9000 Switches in NX-OS Mode – Advanced (DCNXA) V1.0

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Implementing Cisco Nexus 9000 Switches in NX-OS Mode – Advanced (DCNXA) V1.0

Course Duration

4 Days

Course Price

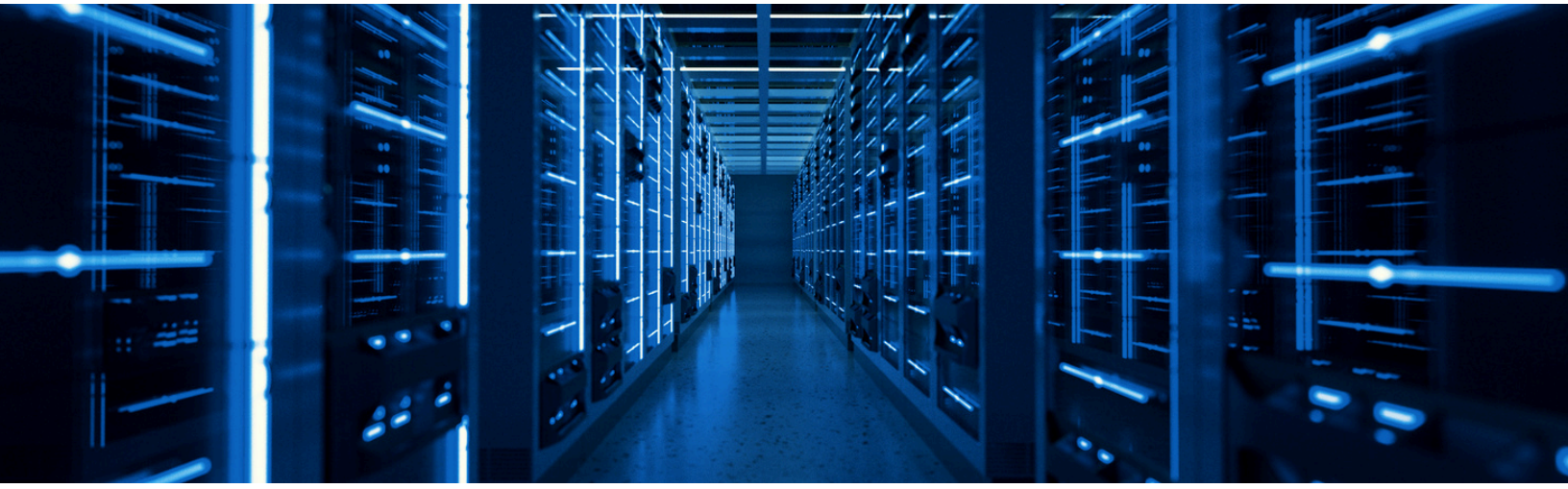
$3,995.00
40 CLCs

Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

About this Class

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.



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How you will benefit

This class 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

Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The job roles best suited to the material in this course are:

- Data Center Engineer
- Field Engineer
- Network Designer
- Network Administrator
- Network Engineer
- Systems Engineer
- Technical Solutions Architect

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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)

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Course Outline

Module 1: Describing VXLAN EVPN in Single Site

Module 2: Describing Multi-Site VXLAN EVPN

Module 3: Describing Layer 4-Layer 7 Service Redirection

Module 4: Describing External Connectivity from VXLAN EVPN

Module 5: Describing VXLAN EVPN Functionality Enhancements

Module 6: Describing Cisco NX-OS Enhanced Policy-Based Redirect and Intelligent Traffic Director

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Lab Outline

- **Lab 1:** Import an Existing VXLAN Border Gateway Protocol (BGP) EVPN Fabric into Cisco DCNM
- **Lab 2:** Configure vPC and Layer 3 Connectivity
- **Lab 3:** Configure Multi-Site VXLAN EVPN
- **Lab 4:** Configure Routed Firewall Integration into VXLAN EVPN Using PBR
- **Lab 5:** Configure External VRF Lite Connectivity and Endpoint Locator
- **Lab 6:** Configure Tenant DHCP Relay
- **Lab 7:** Configure Tenant-Routed Multicast
- **Lab 8:** Configure Enhanced Policy-Based Redirect
- **Lab 9:** Configure Traffic Load-Balancing Using the ITD