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IMPLEMENTING CISCO NEXUS 9000 SWITCHES IN NX-OS MODE – ADVANCED (DCNXA) V1.0

IMPLEMENTING CISCO NEXUS 9000 SWITCHES IN NX-OS MODE – ADVANCED (DCNXA) V1.0

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.

How you'll 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 in 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 primary audience for this course is as follows:

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

Course Duration
4 days
Course Price
$3,995.00 or 40 CLCs
Methods of Delivery
- Instructor Led
- Virtual ILT
- On-Site

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

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**