

Implementing Cisco Nexus 9000 Switches in NX-OS Mode - Advanced

Varighet: 4 Days Kurskode: DCNXA Version: 1.0

Beskrivelse:

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

Målgruppe:

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

Agenda:

- After completing 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)

Forkunnskaper:

Attendees should meet the following 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
- CCNABC - Cisco CCNA Certification Fast Track Programme
- ICND1 - Interconnecting Cisco Networking Devices Part 1
- ICND2 - Interconnecting Cisco Networking Devices Part 2

Test og sertifisering

Recommended as preparation for the following exams:

- There are no exams currently associated to this course

Innhold:

Describing VXLAN EVPN in Single Site

- Describe VXLAN EVPN Control Plane
- Describe VXLAN EVPN Data Plane

Describing Multi-Site VXLAN EVPN

- Describe VXLAN EVPN Multi-Site Features
- Describe Supported Multi-Site Topologies

Describing Layer 4-Layer 7 Service Redirection

- Describe Layer 4-Layer 7 Service Integration Options
- Describe Integration of Active/Standby and Active/Active Service Devices

Describing External Connectivity from VXLAN EVPN

- Describe External VRF-Lite Connectivity

Describing VXLAN EVPN Functionality Enhancements

- Describe Fabric Management Options
- Describe Tenant-Level Dynamic Host Configuration Protocol (DHCP) Relay

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

- Describe Enhanced Policy-Based Redirect
- Describe Tenant-Level DHCP Relay

Labs

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

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

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