

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

ID DCNXA Preis US\$ 4.000,- (exkl. MwSt.) Dauer 4 Tage

Dies ist ein Kurs der Cisco Learning Services und wird direkt von Cisco durchgeführt.

Kursüberblick

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 NXOS Enhanced Policy-Based Redirect (ePBR) and Intelligent Traffic Director (ITD) features.

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

Zielgruppe

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

Voraussetzungen

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 \(CCNA\)](#)
- [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 \(DCNX\)](#)

Kursziele

- 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)

Detaillierter Kursinhalt

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

Über Fast Lane



Die weltweite Fast Lane-Gruppe ist Spezialist für Technologie- und Business-Training und Beratung im Highend-Bereich. Fast Lane ist autorisierter Trainingspartner führender Hersteller und bietet zudem eigene IT-Trainingsprogramme zu aktuellen Technologien und den wesentlichen Trends an. Herstellerübergreifende Beratungsleistungen reichen von vorbereitenden Analysen und Evaluierungen über die Konzipierung zukunftsweisender IT-Lösungen bis zum Projektmanagement und zur Umsetzung der Konzepte im Unternehmen. Training-on-the-Job und Weiterqualifizierung der zuständigen Spezialisten bei den Kunden verbinden die Kernbereiche der Fast Lane Dienstleistungen Training und Consulting.

Fast Lane Services

- ✓ Highend-Technologietraining
- ✓ Business- & Softskill-Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digitale Lernlösungen
- ✓ Content-Entwicklung
- ✓ Remote Labs
- ✓ Talentprogramme
- ✓ Eventmanagement-Services

Trainingsmethoden

- ✓ Klassenraumtraining
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Klassenraum und ILO kombiniert
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobiles Lernen

Technologien und Lösungen

- ✓ Digitale Transformation
- ✓ Artificial Intelligence (AI)
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center



Weltweit vertreten
mit High-End-Trainingszentren in
60 Ländern rund um den Globus



Mehrfach ausgezeichnet
von Herstellern wie AWS, Microsoft,
Cisco, Google, NetApp, VMware



Praxiserfahrene Experten
mit insgesamt mehr als
19.000 Zertifizierungen

Deutschland

Fast Lane Institute for Knowledge
Transfer GmbH
Tel. +49 40 25334610

info@flane.de / www.flane.de

Österreich

ITLS GmbH
(ITLS ist ein Partner von Fast Lane)
Tel. +43 1 6000 8800

info@itls.at / www.itls.at

Schweiz

Fast Lane Institute for Knowledge
Transfer (Switzerland) AG
Tel. +41 44 8325080

info@flane.ch / www.flane.ch