Basic VXLAN EVPN in NX-OS mode

Course code: DC-VXLAN-B

Have you ever wondered how to build modern Data Center? VXLAN EVPN is one of most frequently used methods worldwide. As a technology based on standards is compatible between all Nexus devices supporting VXLAN and EVPN and even offers third-party compatibility and integrations. This training provides necessary information and LAB experience for building single-site Data Center. If you are interested in interconnecting Data Centers and other advanced VXLAN EVPN concepts visit our following training DC ADVANCED VXLAN.

Affiliate	Duration	Course price	ITB
Praha	3	39 600 Kč	0
Brno	3	39 600 Kč	0
Bratislava	3	1 640 €	0

The prices are without VAT.

Course terms

Date	Duration	Course price	Type	Course language	Location
12.10.2026	3	39 600 Kč	Presence	CZ/SK	ALEF NULA

The prices are without VAT.

Training format

As a standard, we implement a full-time course (onsite or ILT *) in the ALEF Training Center. Upon agreement, it is possible to implement the course at the client's premises. The course can also be implemented online (vILT **) via a video conferencing platform - Cisco Webex meetings. Instructor- led virtual training is a combination of the best of a traditional classroom course and interactive training without having to leave your own office or the comfort of your home. Convince yourself of top quality transmission, video calls and effective team collaboration.
Explanations:
ILT - Instructor Led-Training * - instructor-led training in the classroom. ** vILT (Virtual Instructor-Led Training) - this is a form of distance learning, where the instructor conducts training from the classroom through an online platform to which students connect from their offices or the comfort of their home.

Required skills

- General networking knowledge at least at CCNA level
- Layer 2 technologies (Ethernet, VLAN, STP, Port-channel, ...)
- Layer 3 technologies (TCP/IP, ARP, ICMP, BGP, VRF, OSPF, multicast, redistribution, ...)
- NX-OS knowledge (IOS/IOS-XE at minimum)

Course outline

- DC network evolution
- Nexus VXLAN HW overview
- VXLAN introduction
- VXLAN underlay, unicast &multicast
- VXLAN flood and learn
- VXLAN BGP EVPN

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- VXLAN BGP EVPN L2 connectivity
- VXLAN BGP EVPN L3 connectivity
- VTEP multihoming (vPC)
- External connectivity
- Fabric automation &management introduction

Technical equipment

- Cisco Nexus 9300 switches

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