Advanced VXLAN EVPN in NX-OS mode

Course code: DC-VXLAN-A

This training further develops knowledge gained in DC BASIC VXLAN with focus on advanced topics related to interconnecting Data Centers using VXLAN EVPN, building multicast VPNs, integrating L4-L7 services, troubleshooting and OAM.

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)
- Single-site VXLAN EVPN knowledge

Course outline

- Multi-Site
- Tennant Routed Multicast (TRM)
- L4 - L7 services insertion
- Troubleshooting guidelines
- Operation and Maintenance (OAM)

Technical equipment

- Cisco Nexus 9300 switches

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