

# Implementing Data Center Fabric with EVPN and VXLAN (IDCFEV)

ID IDCFEV Price US\$ 5,000.—(excl. VAT) Duration 5 days

## Who should attend

Individuals responsible for this course includes data center implementation engineers and data center design engineers

## Prerequisites

- Understanding of the OSI model
- Advanced routing knowledge—the [Advanced Junos Enterprise Routing \(AJER\)](#) course or equivalent knowledge strongly recommended
- Intermediate switching knowledge—the [Junos Enterprise Switching \(JEX\)](#) or equivalent knowledge
- Intermediate to advanced Junos CLI experience

## Course Objectives

- Describe basic and advanced data center design concepts.
- Describe and configure an IP fabric.
- Describe and configure an EVPN-VXLAN data center.
- Describe and configure enhanced loop protection.
- Describe and configure centrally routed bridging (CRB) EVPN-VXLAN.
- Describe and configure edge-routed bridging (ERB) EVPN-VXLAN.
- Describe and configure symmetric EVPN Type 2 routing.
- Describe and configure DCI.
- Describe and configure seamless EVPN-VXLAN stitching.
- Describe and configure filter-based forwarding.
- Describe enhancements to multicast functionality in an EVPN-VXLAN.

- Enhanced Ethernet Segment Loop Protection
- Basic Data Center Architectures
- Configuring a Collapsed Spine
- Super Spine Configuration
- Configuring Centrally Routed Bridging
- Configuring Edge-Routed Bridging
- MAC-VRF Overview
- MAC-VRF Configuration
- Symmetric Routing Using Type 2 EVPN
- DCI with EVPN-VXLAN Network
- Configuring DCI
- Seamless EVPN-VXLAN Stitching
- Configuring Seamless EVPN-VXLAN Stitching
- Filter-Based Forwarding
- EVPN Multicast Extensions
- EVPN Multicast Configuration
- EVPN Multicast Assisted Replication
- VXLAN Group-Based Policy—Introduction
- Zero-Touch Provisioning
- Troubleshooting Basics
- Data Center Devices

## Course Content

- Modern Architectures
- IP Fabric Underlay Routing
- IP Fabric Underlay Scaling
- IP Fabric Underlay Configuration
- VXLAN Overview
- VXLAN Gateways
- EVPN Overview
- EVPN Protocol
- Configuring EVPN-VXLAN Networks

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## Training Centres worldwide



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