Implementing Data Center Fabric with EVPN and VXLAN (ADCX)

ID ADCX **Prix** US $ 5 000,– (Hors Taxe) **Durée** 5 jours

A qui s'adresse cette formation

This course benefits individuals responsible for configuring and monitoring switching features that exist on the Junos OS running on the QFX5k and MX Series platforms, including individuals in professional services, sales and support organizations, and the end users.

Pré-requis

The following are the prerequisites for this course:

- Understanding of the OSI model;
- Junos OS configuration experience—the Introduction to the Junos Operating System (IJOS) course or equivalent;
- Advanced routing knowledge—the Advanced Junos Enterprise Routing (AJER) course or equivalent; and
- Intermediate switching knowledge—the !Junos Enterprise Switching using ELS (JEX-ELS) and !Data Center Switching (DCX) courses or equivalent.

Objectifs

After successfully completing this course, you should be able to:

- Describe the benefits and challenges of the traditional multitier architecture .
- Describe the new networking requirements in a data center.
- Describe the various data center fabric architectures.
- Explain routing in an IP Fabric.
- Describe how to scale an IP Fabric.
- Configure an EBGP-based IP Fabric.
- Explain why you would use VXLAN in your data center.
- Describe the control and data plane of VXLAN in a controller-less overlay.
- Describe how to configure and monitor VXLAN when using multicast signaling.
- Describe the benefits of using EVPN signaling for VXLAN.
- Describe the operation of the EVPN protocol.
- Configure and monitor EVPN signaling for VXLAN.
- Define the term Data Center Interconnect.
- Describe the control and data plane of an MPLS VPN.
- Describe the DCI options when using a VXLAN overlay with EVPN signaling.

Contenu

Day 1

Chapter 1: Course Introduction

Chapter 2: Next Generation Data Centers

- Traditional Multitier Architecture
- Data Center Fabric Architectures

Chapter 3: IP Fabric

- IP Fabric Overview
- IP Fabric Routing
- IP Fabric Scaling
- Configure an IP Fabric
- Lab: IP Fabric

Chapter 4: VXLAN

- Layer 2 Connectivity over a Layer 3 Network
- VXLAN using Multicast Control Plane
- VXLAN Configuration
- Lab: VXLAN

Day 2

Chapter 5: EVPN

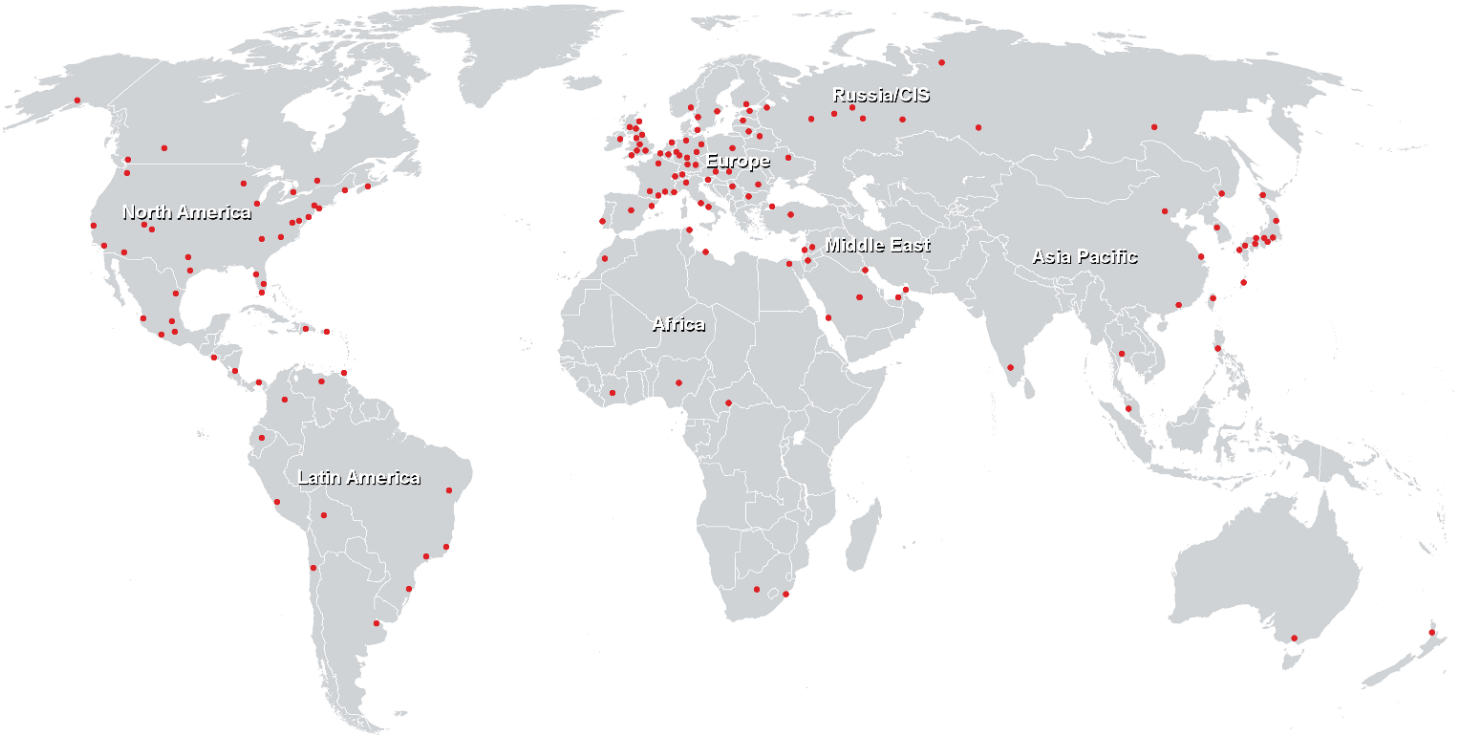
- The Benefits of EVPN
- VXLAN using EVPN Control Plane
- VXLAN Configuration
- Lab: VXLAN

Chapter 6: Data Center Interconnect

- DCI Overview
- MPLS VPN Review
- DCI Options for a VXLAN Overlay
- Lab: DCI

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