Junos Segment Routing with SR-MPLS (JSR)

ID JSR **Price** US $ 4,000.—(excl. VAT) **Duration** 4 days

Who should attend

The primary audiences for this course are the following:

- Service Provider design engineers
- Campus and Enterprise design engineers

Prerequisites

The following are the prerequisites for this course:

- Understanding of the OSI model.
- Advanced routing knowledge; the Advanced Junos Enterprise Routing (AJER) course or equivalent knowledge strongly recommended.
- Intermediate knowledge of MPLS functions.
- Intermediate to advanced Junos CLI experience.

Course Objectives

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

- Describe and configure segment routing.
- Describe and configure traffic engineering with segment routing static paths.
- Describe and configure traffic engineering paths using BGP and colored route tags.
- Describe and configure TI-LFA.
- Describe and configure Anycast segments.
- Describe and configure LAG in a segment routing design.

Course Content

Day 1

Chapter 1: Course Introduction

Chapter 2: Segment Routing Overview

- MPLS Forwarding Overview
- SPRING Concepts
- Segment Routing Architecture
- SDN and Segment Routing Overview

Chapter 3: Configuring Segment Routing

- Segment Types
- Configuring, Monitoring, and Verifying Segment Routing
- Configuring, Monitoring, and Verifying Segment Routing Traffic Engineering
- Lab: Configuring Segment Routing
- Basic Segment Routing
- Segment Routing Traffic Engineering (TE)

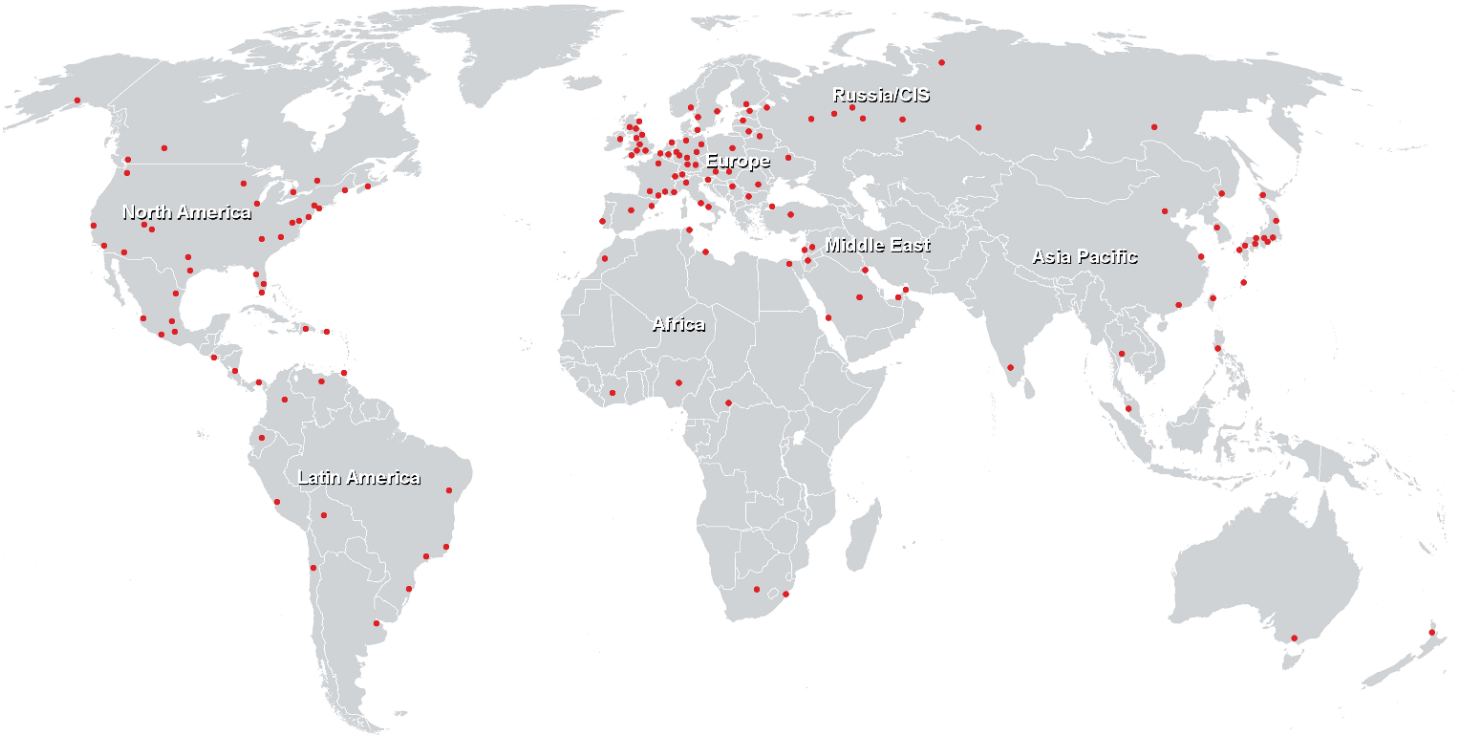
Chapter 4: Segment Routing Redundancy and High Availability

- IP/MPLS Protection Mechanisms
- Topology Independent Loop-Free Alternative
- Link and Node Protection
- Fate Sharing
- Label Stacking for Backup Paths
- Anycast Segments
- Segment Routing with Link Aggregation Groups (LAG)
- Lab: Segment Routing Redundancy and High Availability
- Configuring TI-LFA
- Configuring Anycast Segments
- Configuring Link-Specific Labels for LAG

Appendix A: NorthStar Segment Routed LSPs

Junos Segment Routing with SR-MPLS (JSR)

Training Centres worldwide





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