

Implementing Segment Routing on Cisco IOS XR (SEGRTE201)

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The Implementing Segment Routing on Cisco IOS XR (SEGRTE201) v2.0 course covers the fundamental concepts of segment routing (SR), how to configure and verify segment routing within an Interior Gateway Protocol (IGP), and the interworking of Label Distribution Protocol (LDP) with segment routing. You will learn how to implement topology-independent loop-free alternate (TI-LFA) using segment routing, and how to instantiate and verify segment routing traffic engineering policies. You will also learn how to implement segment routing within Border Gateway Protocol (BGP).

How you'll benefit

This class will help you:

- Learn how to configure and verify segment routing within an Interior Gateway Protocol (IGP)
- Prepare to implement topology-independent loop-free alternate using segment routing
- Learn to implement segment routing within Border Gateway Protocol

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Systems engineers
- Network engineers
- Field engineers
- Technical support personnel
- Channel partners and resellers

Prerequisites

Before taking this course, you should have:

- Familiarity with Cisco Internetwork Operating System (IOS®) XR software
- Knowledge of general networking concepts

Course Duration

4 days

Course Price

\$3,995.00 or 40 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

OUTLINE

Module 1: Introduction to Segment Routing

Module 2: IGP Segment Routing Implementation and Verification

Module 3: Segment Routing and LDP Interworking

Module 4: Topology Independent – Loop Free Alternate

Module 5: Segment Routing Policies – Traffic Engineering (SR-TE)

Module 6: Multidomain SR Policies

Module 7: BGP Prefix Segment and Egress Peer Engineering

LAB OUTLINE

Lab 1: Configuring and Verifying IGP Segment Routing

Lab 2: Migrating from LDP to Segment Routing

Lab 3: Configuring and Verifying TI-LFA Fast Reroute

Lab 4: Configuring and Verifying SR Policies

Lab 5: Configuring and Verifying Multidomain SR-TE

Lab 6: Configuring and Verifying BGP Segment Routing