Implementing Segment Routing on Cisco IOS XR (SEGRTE201)

Category: Networking & Security | **Vendor:** Cisco

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

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 course 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

About This Course

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Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

Before taking this course, you should have:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

After taking this course, you should be able to:

- Describe the key concepts of segment routing
- Implement and verify IGP segment routing
- Migrate an existing Multiprotocol Label Switching (MPLS) LDP-based network to segment routing
- Implement and verify TI-LFA segment routing
- Instantiate segment routing policies
- Instantiate multidomain segment routing policies
- Configure and verify BGP prefix segments and SR-based services

Detailed Course Outline

- Introduction to Segment Routing
- IGP Segment Routing Implementation and Verification
- Segment Routing and LDP Interworking
- Topology Independent – Loop Free Alternate
- Segment Routing Policies – Traffic Engineering (SR-TE)
- Multidomain SR Policies
- BGP Prefix Segment and Egress Peer Engineering

Skills You Will Learn:

After taking this course, you should be able to:

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Frequently Asked Questions

Q: What delivery options are available for Implementing Segment Routing on Cisco IOS XR (SEGRTE201)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 4-day Implementing Segment Routing on Cisco IOS XR (SEGRTE201) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Implementing Segment Routing on Cisco IOS XR (SEGRTE201) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Implementing Segment Routing on Cisco IOS XR (SEGRTE201)?

Yes, we provide corporate training, dedicated training, and closed classes for Implementing Segment Routing on Cisco IOS XR (SEGRTE201). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Implementing Segment Routing on Cisco IOS XR, Cisco Service Provider, SEGRTE201

Q: Why choose Nexus Human for Implementing Segment Routing on Cisco IOS XR (SEGRTE201)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Implementing Segment Routing on Cisco IOS XR (SEGRTE201) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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