
Implementing Cisco Converged SDN Transport Solution (SPSDNTXP)

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HAPPENS EVERYDAY!***

Implementing Cisco Converged SDN Transport Solution (SPSDNTXP)

Course Duration

4 Days

Course Price

\$3,595.00

36 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

About this Class

The Implementing Converged SDN Transport Solutions (SPSDNTXP) v1.0 course introduces you to Software-Defined Networking (SDN)-ready architecture. This architecture evolves traditional Metro network design into an SDN-enabled programmable network capable of delivering all services (residential, business, 5G mobile backhauling, video, and IoT) on the premise of simplicity, full programmability, and cloud integration with guaranteed service level agreements (SLAs).

You will examine the evolution of service provider design principles such as Unified Multiprotocol Label Switching, Evolved Programmable Networks, and the Cisco® Compass Metro Fabric. Additionally, you'll explore and configure individual components of the design including segment routing and its supporting features.

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How you will benefit

This class will help you:

- Describe the Converged SDN Transport solution
- Describe the basic implementation of SDN component features
- Establish a foundation to take a deeper dive into SDN solutions

Why Attend with Current Technologies CLC

- Our Instructors are 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 job roles best suited to the material in this course are:

- Network architects
- Network engineers
- Network consulting engineers
- Customer support engineers

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Objectives

After taking this course, you should be able to:

- Converged SDN Transport Fundamentals
- Introducing Segment Routing
- Segment Routing Topology-Independent Loop-Free Alternative (TI-LFA) and Traffic Engineering (TE)
- Multidomain SR-TE
- VPN and Services Overview
- EVPN Layer 2 Basics
- Layer 3 VPNs
- Operation Simplification and Automation Foundation
- Network Orchestration Using NSO
- Network Automation Using Cisco WAE

Prerequisites

To fully benefit from this course, you should have:

- Knowledge of general networking concepts
- Experience working with CLI-based network devices

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Course Outline

- Module 1: Converged SDN Transport Fundamentals
- Module 2: Introducing Segment Routing
- Module 3: Segment Routing Topology-Independent Loop-Free Alternative (TI-LFA) and Traffic Engineering (TE)
- Module 4: Multidomain SR-TE
- Module 5: VPN and Services Overview
- Module 6: EVPN Layer 2 Basics
- Module 7: Layer 3 VPNs
- Module 8: Operation Simplification and Automation Foundation
- Module 9: Network Orchestration Using NSO
- Module 10: Network Automation Using Cisco WAE

Lab Outline

- Lab 1: Configure and Verify Segment Routing
- Lab 2: Configure and Verify SR TI-LFA
- Lab 3: Configure and Verify SR-TE
- Lab 4: Configure and Verify Multidomain SR-TE
- Lab 5: Configure and Verify Basic EVPN
- Lab 6: Configure and Verify Layer 3 VPN
- Lab 7: Cisco NSO Overview
- Lab 8: Cisco WAE Overview