

# SPSDNTXP

## Implementing Converged SDN Transport Solutions

The course introduces you to the Software-Defined Networking (SDN)-enabled architecture. This architecture evolves the traditional metro network design into an SDN-enabled programmable network that can deliver all services (residential, business, 5G mobile backhauling, video and IoT) under the premise of simplicity, full programmability and cloud integration with guaranteed service level agreements (SLAs).

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

### Course Contents

- 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

**E-Book** You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

### Target Group

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

### Prerequisites

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

### Processing time

approx. 24 hours

### This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

[www.expertech-training.com/go/SPSD](http://www.expertech-training.com/go/SPSD)

### Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

### Guaranteed Course Dates

To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

### Your Tailor-Made Course!

We can precisely customize this course to your project and the corresponding requirements.

### Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExpertech learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
	€ 800

Training	Prices, excl. of V.A.T.
<b>Classes in Germany</b>	<b>4 Days € 4,195</b>
<b>Online Training</b>	<b>4 Days € 4,195</b>
<b>Date/course venue</b>	<b>Course language English </b>
14/07-17/07/25	22/09-25/09/25
18/08-21/08/25	13/10-16/10/25
18/08-20/08/25	13/10-16/10/25
01/09-04/09/25	

Status 06/14/2025



## Our Training Offer for You:



### Classroom Training

The live training experience in our training centers or on your premises on-site.



### Online Training

Attend your course in online mode – without travel and accommodation expenses and effort.



### Hybrid Training

Classroom & online in one course – choose how you wish to participate in your training event.



### In-house Training

We create your customized training concepts for your project.



### Guaranteed Course Dates

ExperTeach guaranteed course dates allow for secure and reliable planning.

## Awards Won by ExperTeach



**ExperTeach Benelux B.V.**

Ceresstraat 1 • 4811 CA Breda • Phone: +49 6074 4868-0 • Fax: +49 6074 4868-109 • [info@experteach.de](mailto:info@experteach.de) • [www.exper-teach-training.com](http://www.exper-teach-training.com)