

# Implementing Cisco SD-WAN Solutions (ENSDWI)

ID ENSDWI Price CHF 4,150.—(excl. VAT) Duration 5 days

## Who should attend

- Individuals seeking the [Cisco Certified Network Professional Enterprise \(CCNP ENTERPRISE\)](#) or the Cisco Certified Specialist—Enterprise SD-WAN Implementation
- Pre- and post-sales network engineers involved in the installation, support, and troubleshooting of a Cisco SD-WAN overlay network

## This course is part of the following Certifications

Cisco Certified Network Professional Enterprise (CCNP ENTERPRISE)

## Prerequisites

You should have the following knowledge and skills before attending this course:

- Knowledge of Software-Defined Networking (SDN) concepts as applied to large-scale live network deployments
- Strong understanding of enterprise WAN design
- Strong understanding of routing protocol operation, including both interior and exterior routing protocol operation
- Familiarity with Transport Layer Security (TLS) and IP Security (IPSec)

These recommended Cisco offerings that may help you meet these prerequisites:

- [Implementing and Administering Cisco Solutions \(CCNA\)](#)
- [Implementing and Operating Cisco Enterprise Network Core Technologies \(ENCOR\)](#)

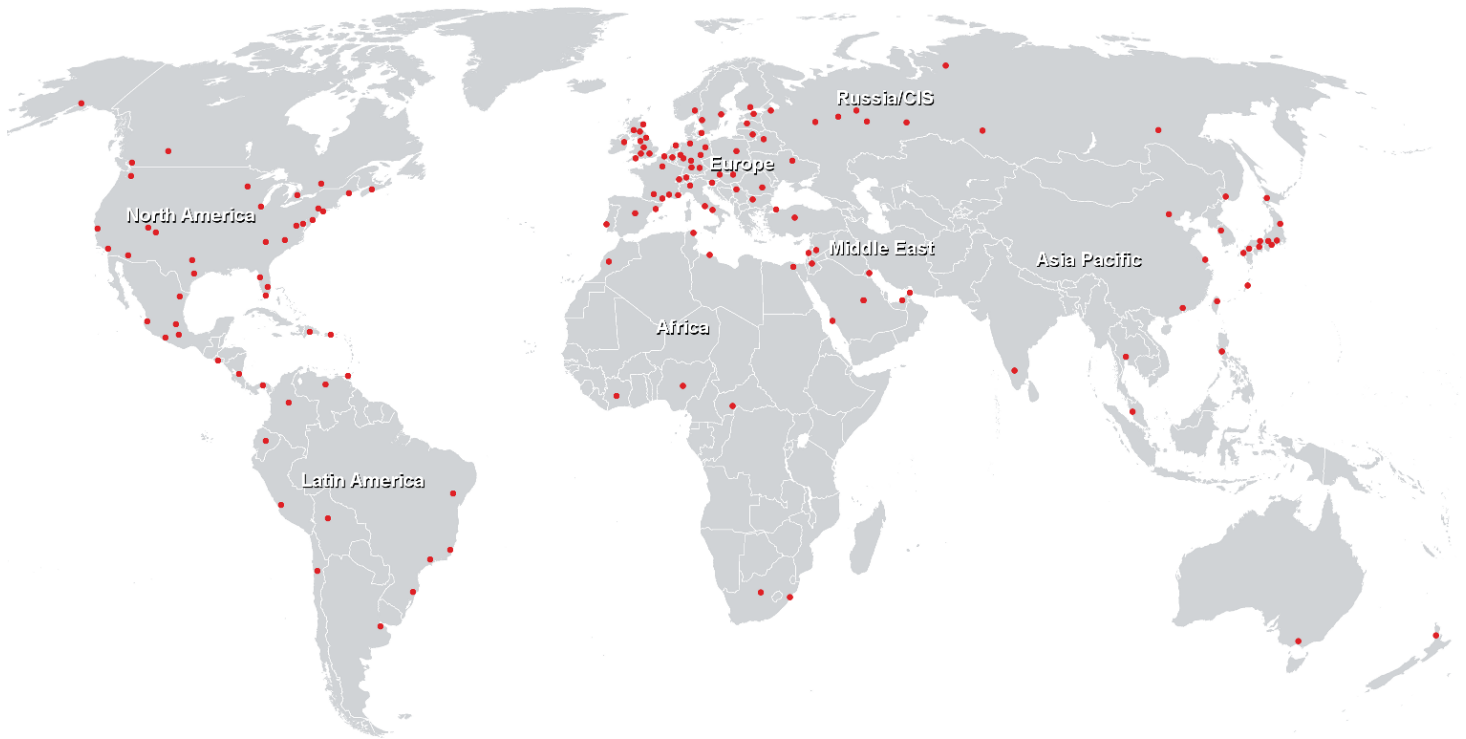
## Course Objectives

After taking this course, you should be able to:

- Describe the Cisco SD-WAN solution and how modes of operation differ in traditional WAN versus Cisco SD-WAN
- Describe options for Cisco SD-WAN cloud and on-premises deployment

- Explain how to deploy WAN Edge devices
- Compare the Zero-Touch Provisioning (ZTP) and traditional Plug-n-Play (PnP) processes and examine technical specifics for on-premises deployment
- Describe configuration groups and feature profiles for configuration management
- Describe device and feature configuration templates
- Describe options for providing scalability, high availability, and redundancy
- Explain how dynamic routing protocols are deployed in Cisco SD-WAN environment, on the service side and transport side
- Describe Cisco SD-WAN policy concepts, which includes how policies are defined, attached, distributed, and applied
- Define and implement advanced control policies, such as policies for custom topologies and service insertion
- Describe the Multi-Region Cisco SD-WAN fabric feature
- Define and implement advanced data policies, such as policies for traffic engineering and QoS
- Describe the Application Quality of Experience (AppQoE) capabilities available in Cisco SD-WAN
- Define and implement an application-aware routing (AAR) policy
- Implement Direct Internet Access (DIA) and Cisco SD-WAN Cloud OnRamp options
- Describe Cisco SD-WAN security components and integration
- Describe how to design pure and hybrid Cisco SD-WAN solutions, as well as how to perform a migration to Cisco SD-WAN
- Describe the different tools and options available for managing a Cisco SD-WAN fabric
- Describe the different options available for monitoring the Cisco SD-WAN fabric
- Describe Cisco SD-WAN support for multicast

## Training Centres worldwide



## Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

[info@flane.ch](mailto:info@flane.ch), <https://www.flane.ch>