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:

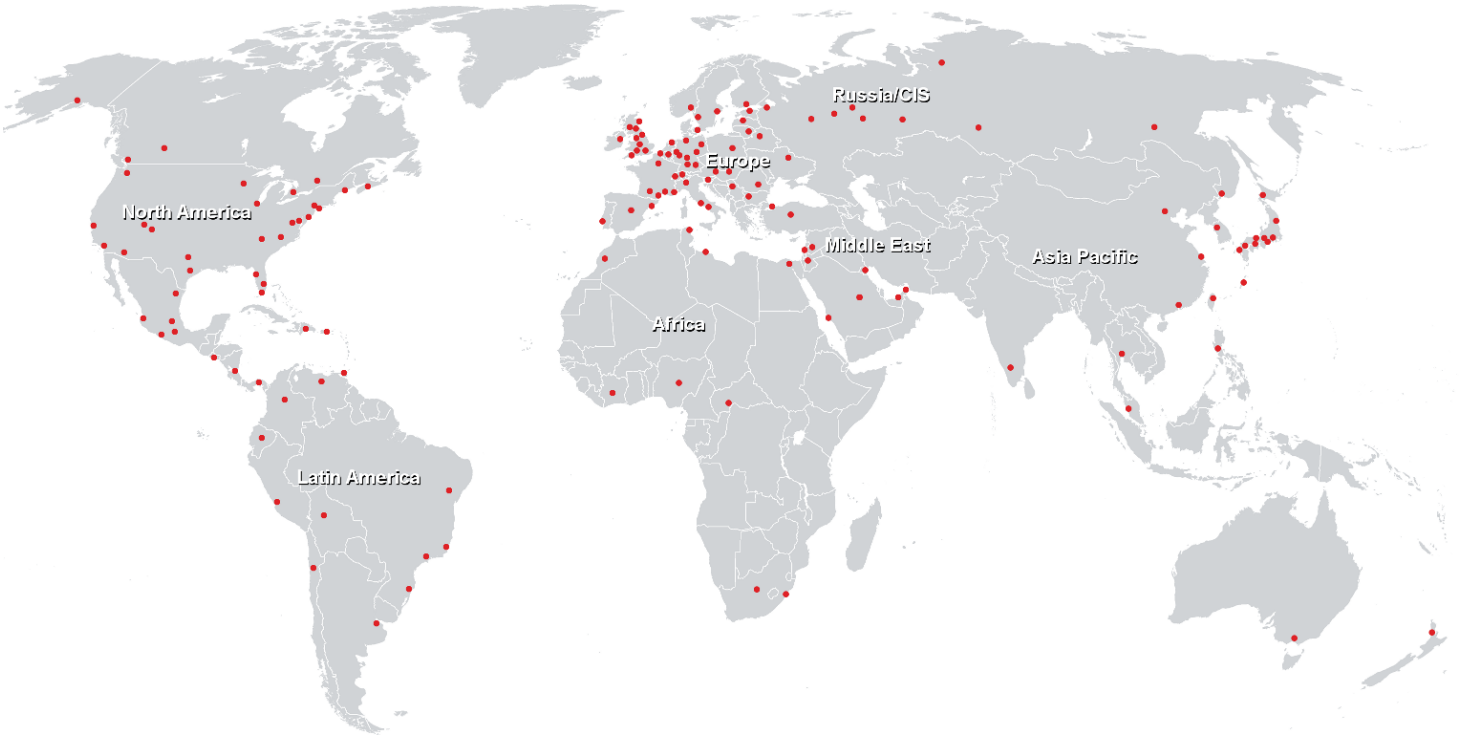
- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

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





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