Course : Implementing Cisco SD-WAN Solutions (ENSDWI) v3.0

Official course, exam preparation 300-415 ENSDWI

Practical course - 5d - 35h00 - Ref. END
Price : 4380 € E.T.

NEW

With this training course, you'll learn how to design, deploy, configure and manage a large-scale Cisco SD-WAN solution. You'll learn how to migrate from a traditional WAN, configure routing protocols, apply advanced policies, deploy Edge WAN devices, manage QoS, multicast, direct Internet access (DIA) and multi-region architectures. You'll also learn about SD-WAN security options and AppQoE traffic optimization features.

Teaching objectives

At the end of the training, the participant will be able to:

- Describe the Cisco SD-WAN solution and how it differs from a traditional WAN architecture
- Present Cisco SD-WAN cloud and on-premise deployment options
- Explain how to deploy WAN Edge equipment
- Compare ZTP and PnP, and detail their use in on-site deployment
- Describe SD-WAN policy concepts: definition, attachment and application
- Define and implement advanced data policies (QoS, traffic engineering)
- Define and apply advanced control policies (topology, service insertion)
- Explain the deployment of service and transport routing protocols
- Introducing Cisco SD-WAN security components and their integration
- Introducing multicast support in Cisco SD-WAN

Intended audience

Network engineers responsible for deploying and supporting Cisco SD-WAN, or candidates for Cisco CCNP Enterprise or SD-WAN Specialist certifications.

PARTICIPANTS

Network engineers responsible for deploying and supporting Cisco SD-WAN, or candidates for Cisco CCNP Enterprise or SD-WAN Specialist certifications.

PREREQUISITES

Basic knowledge of SDN, WAN, routing (IGP/EGP), TLS/IPsec recommended. Previous training recommended: CCNA (Ref. CRC), ENCOR (Ref. TWY).

TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

ASSESSMENT TERMS

Assessment of targeted skills prior to training.
Assessment by the participant, at the end of the training course, of the skills acquired during the training course.
Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.
At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.
An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

Prerequisites

Basic knowledge of SDN, WAN, routing (IGP/EGP), TLS/IPsec recommended.
Previous training recommended: CCNA (Ref. CRC), ENCOR (Ref. TWY).

Certification

To obtain Cisco Certified Network Professional Enterprise (CCNP Enterprise) certification, you need to pass exam 350-401 ENCOR and one of the following exams (your choice): 300-410 ENARSI, 300-415 ENSDWI, 300-420 ENSLD, 300-425 ENWLSD, 300-430 ENWLSI, 300-440 ENCC, 300-445 ENNA.
Comment passer votre examen ?

Practical details

Teaching methods

Training in French. Official course material in English.

Course schedule

1 Official program

- Analysis of Cisco SD-WAN architecture.
- Explore Cisco SD-WAN deployment options.
- Deployment of WAN Edge equipment.
- Equipment configuration management.
- Redundancy, high availability and scalability.
- Service-side and transport-side routing.
- Basics of Cisco SD-WAN policy configuration.
- Definition of advanced control policies.
- Definition of advanced data policies.
- Implementation of application QoE optimization.
- Application-oriented routing (AAR).
- Implement direct Internet access and Cisco Cloud OnRamp.
- Security in Cisco SD-WAN.
- Design and migration to Cisco SD-WAN.
- Managing and troubleshooting a Cisco SD-WAN network.
- Multicast support in Cisco SD-WAN.

2 Official practical work

- Deploy Cisco SD-WAN controllers.
- Deploy Cisco SD-WAN devices with configuration groups.
- Configure the affinity of Cisco SD-WAN controllers.
- Implement service-side routing protocols.
- Implement TLOC extensions.
- Implement control policies.
- Implement data policies.
- Implement application-oriented routing.
- Set up direct Internet access from remote sites or regional hubs.
- Configure application firewall.
- Migrate remote sites.

Dates and locations

REMOTE CLASS
2026 : 8 June, 14 Sep., 23 Nov.

PARIS LA DÉFENSE
2026 : 1 June, 7 Sep., 16 Nov.

TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: psh-accueil@orsys.fr so that we can assess your request and its feasibility.