Cisco SDWAN Fundamentals (SDWFND)

Description

Develop your skills with the Cisco SD-WAN training

Operation and Deployment of Cisco SD-WAN (SDWFND) is a comprehensive training dedicated to those who want to master the Cisco Software-Defined WAN solution. This course allows you to understand the key components of Cisco's SD-WAN, such as vManage, vSmart, and vBond. You will learn how to deploy, manage, and operate a secure and programmable SD-WAN network.

Through this training, you will also discover how to configure and monitor the overlay routing and the data and control policies. You will be able to deploy quality of service (QoS) and direct internet access (DIA) in a Cisco SD-WAN infrastructure. This training is ideal for IT professionals looking to deepen their knowledge of SD-WAN.

Cisco SD-WAN Training: A key expertise for your career

With the course Operation and Deployment of Cisco SD-WAN (SDWFND), you will acquire practical skills to optimize and secure your network infrastructures. Learn how to use Cisco tools to deploy scalable and secure networks with ease. Join our training to master the technologies that will transform your network deployments.

Niveau
Intermédiaire
Course Content
Module 1: SD-WAN Solution Components

- Overview of the SD-WAN solution
- SD-WAN components
- Managing SD-WAN components

Module 2: Deploying a Secure Scalable Network

- Using Secure Control Plane
- Deploying Secure Control Plane
- Using Secure Control Data
- Cloud deployments and redundancy

Module 3: SD-WAN Model Deployment

- Overview of models
- Feature templates
- Device templates
- Attaching devices to templates

Module 4: SD-WAN Overlay Routing

- Overview of overlay routing
- OMP Route advertisements
- OMP route redistribution and network segmentation
- Configuring and verifying overlay routing

Module 5: SD-WAN Policies and QoS

- Policy overview and framework
- vSmart policy functionality and construction
- QoS forwarding overview
- Configure and monitor QoS forwarding

Lab / Exercises

- Lab 1: Manage and monitor SD-WAN components
- Lab 2: Deploy and verify SD-WAN vEdge routers
- Lab 3: Deploy SD-WAN models
- Lab 4: Overlay routing in SD-WAN
- Lab 5: SD-WAN network policies

Documentation

- Digital course materials included

Participant profiles

- Network administrators
- System integrators
- Network systems installers
- IT solution designers
- Network security managers

Prerequisites

- Knowledge of enterprise and WAN networks
- Mastery of routing protocols (OSPF, BGP, etc.)
- Understanding of network security (TLS, IPSec)
- Practical experience in Cisco network administration
- Familiarity with cloud environments and virtualization

Objectives

- Deploy vEdge routers in a secure network
- Manage and monitor SD-WAN components
- Configure and verify overlay routing
- Deploy models to automate configurations

- Create and apply network traffic policies
- Ensure quality of service (QoS) and network redundancy
- Integrate secure cloud solutions into the network

Description
Cisco SDWAN Fundamentals (SDWFND) training
Classroom Registration Price (CHF)
1740
Virtual Classroom Registration Price (CHF)
1740
Duration (in Days)
2
Reference
SDWFND