Cisco SD-WAN Operation and Deployment (SDWFND) v2.0

Contents

What you'll learn in this course

The Cisco SD-WAN Operation and Deployment (SDWFND) v2.0 course provides a comprehensive overview of the Cisco® Software-Defined WAN (SD-WAN) solution and Cisco SD-WAN components such as vManage, vSmart and vBond.

You will learn how to deploy, manage, and operate a secure, programmable, and scalable SD-WAN fabric using IOS XE Cisco SD-WAN products. The course also covers how to configure, operate, and monitor overlay routing across the Cisco SD-WAN network. In addition, you will learn about data and control policies, and how to deploy Quality of Service (QoS) and Direct Internet Access (DIA) in the SD-WAN overlay network.

The course will allow you to earn 16 Continuing Education (CE) credits toward recertification.

Course duration

- Instructor-led training: 2 days in the classroom with hands-on lab practice
- Virtual Instructor-led training: Equivalent of 2 days in the classroom with hands-on lab practice

How you'll benefit

This class will help you learn to use Cisco SD-WAN to:

- Establish transport-independent WAN for lower cost and higher diversity
- Meet SLAs for business-critical and real-time applications
- Provide end-to-end segmentation for protecting critical enterprise compute resources
- Extend seamlessly into the public cloud
- Optimize the user experience for Software-as-a-Service (SaaS) applications

Who should enroll

- Enterprise network system installers
- System integrators
- System administrators
- Network administrators
- Solutions designers

How to enroll

Instructor-led training

- Find a class at the Cisco Learning Locator.
- Arrange training at your location through Cisco Private Group Training.

Technology areas

- Networking
- Software-defined networking

Course details

Objectives

After taking this course, you should be able to:

- Identify the various network elements of the Cisco SD-WAN solution
- Deploy WAN Edge routers
- Create templates to aid in the deployment and operation of the Cisco SD-WAN network
- Configure and verify Cisco SD-WAN overlay routing
- Create simple policies to control traffic flow through the Cisco SD-WAN fabric

Prerequisites

Before taking this course, you should have the following knowledge and skills:

- Strong understanding of enterprise WAN design
- Strong understanding of routing protocol operation, including interior and exterior routing protocol operation
- Familiarity with Transport Layer Security (TLS) and IP Security (IPsec)

These recommended Cisco learning offerings may help students meet these prerequisites:

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

Outline

- Cisco SD-WAN Solution Components
- Cisco SD-WAN Network Deployment
- Cisco SD-WAN Configuration Management
- Cisco SD-WAN Overlay Routing
- Cisco SD-WAN Policies

Lab outline

- Manage and Monitor Cisco SD-WAN Components
- Deploy and Verify Cisco SD-WAN Edge Routers
- Deploy Cisco SD-WAN Edge Configuration
- Implement Cisco SD-WAN Overlay Routing
- Deploy Cisco SD-WAN Policies

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