

SDWFND - CISCO SDWAN FUNDAMENTALS V2.0

Course Code: 9912

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 12 Continuing Education (CE) credits toward recertification.

What You'll Learn

Upon completion of this course, you will be able to:

- Identify the various components and architecture of the Cisco SD-WAN solution.
- Deploy vEdge routers in a secure extensible network.
- Create templates to aide in the deployment and operation of the secure extensible network.
- Configure and verify overlay routing in the secure extensible network.
- Create simple policies to control traffic flow in the secure extensible network.

Who Needs to Attend

- Enterprise Network System Installers
- System Integrators
- System Administrators
- Network Administrators
- Solutions Designers

Prerequisites

It is recommended, but not required, to have the following skills and knowledge

before attending this course:

- Strong understanding of enterprise wide area network 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)

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VIRTUAL CLASSROOM LIVE

\$1,995 USD

2 Day

Virtual Classroom Live Outline

Section 1: Cisco SD-WAN Solution Components

- Cisco SD-WAN Solution Overview
- Cisco SD-WAN Components
- Managing Cisco SD-WAN Components

Section 2: Cisco SD-WAN Network Deployment

- Secure Control Plane Operation
- Secure Device Onboarding
- Secure Data Plane Operation
- Site Redundancy

Section 3: Cisco SD-WAN Configuration Management

- Configuration Management Overview
- Device and Feature Templates
- Configuration Groups and Feature Profiles
- Deploying Device Configurations

Section 4: Cisco SD-WAN Overlay Routing

- Overlay Routing Overview
- OMP Route Advertisements
- OMP Route Redistribution and Network Segmentation
- Configuring and Verifying Overlay Routing

Section 5: Cisco SD-WAN Policies

- Policy Overview and Framework
- vSmart Policy Operation and Construction
- Forwarding and QoS Overview
- Application Quality of Experience Overview

- Deploying Direct Internet Access

Virtual Classroom Live Labs

- Lab 1: Manage and Monitor Cisco SD-WAN Components
- Lab 2: Deploy and Verify Cisco SD-WAN Edge Routers
- Lab 3: Deploy Cisco SD-WAN Edge Configuration
- Lab 4: Implement Cisco SD-WAN Overlay Routing
- Lab 5: Deploy Cisco SD-WAN Policies

May 18 - 19, 2026 | 8:30 AM - 4:30 PM EDT

Aug 24 - 25, 2026 | 8:30 AM - 4:30 PM EDT

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ON-DEMAND

\$500 USD

On-Demand Outline

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- Managing Cisco SD-WAN Components

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- Secure Device Onboarding
- Secure Data Plane Operation
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On-Demand Labs

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PRIVATE GROUP TRAINING

2 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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