

Cisco SD-WAN Operation and Deployment (SDWFND)

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In this Cisco SD-WAN Operation and Deployment course provides a comprehensive overview of the Cisco® Software-Defined WAN (SD-WAN) solution and Cisco SD-WAN components such as SD-WAN Manager, SD-WAN Controller, SD-WAN Validator.

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.

This training also earns you 14 Continuing Education (CE) credits toward recertification.

How you'll benefit

This class will help you:

- 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
- Earn 14 CE credits toward recertification

Why Attend with Current Technologies CLC

- Our Instructors are in the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

Who Should Attend

The primary audience for this course is as follows:

- Network Engineers
- Network Architects
- Network Designers
- Network Administrators
- Solutions Architects
- Consulting Systems Engineers
- Technical Solutions Architects
- Cisco Integrators/Partners
- Security Engineers
- Network Managers
- Program Managers

Course Duration

2 days

Course Price

\$1,995.00 or 20 CLCs

Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

- Project Managers
- IT Directors/Chief Information Officers (CIOs)

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Familiarity with traditional WAN technologies such as MPLS and internet circuits
- Working knowledge of Cisco IOS networking and concepts, including Open Shortest Path First (OSPF) routing and IPsec tunnels
- Basic understanding of network security concepts and familiarity with operating system interfaces (CLI/GUI) for device interaction

OUTLINE

Module 1: SD-WAN Evolution and Core Concepts

Module 2: Cisco Catalyst SD-WAN Components and Roles

Module 3: Initial SD-WAN Deployment

Module 4: Secure Data Plan and Segmentation

Module 5: Configuration Management and Automation

Module 6: Overlay Routing and Integration

Module 7: Cisco Catalyst SD-WAN Policies

Module 8: Direct Internet Access and Cloud Optimization

LAB OUTLINE

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