Implementing Cisco SD-WAN Security and Cloud Solutions (SDWSCS)

What you'll learn in this course

The Implementing Cisco SD-WAN Security and Cloud Solutions (SDWSCS) training teaches you advanced knowledge and skills related to Cisco software-defined wide area network (SD-WAN) security and cloud services. Through a series of labs and lectures, you will learn about on-box security services, including application-aware enterprise firewall, intrusion prevention, URL filtering, malware protection, and Transport Layer Security (TLS) or Secure Socket Layer (SSL) decryption. You will also learn about cloud integration with multiple cloud service providers across multiple use cases.

Additionally, the labs will allow you to configure and deploy local security services and cloud security services with the Cisco Umbrella Secure Internet Gateway (SIG), as well as integrate the Cisco SD-WAN fabric with a cloud service provider using the Cisco vManage automated workflows.

This training also earns you 24 Continuing Education (CE) credits toward recertification.

Course duration

- Instructor-led training: 3 days in the classroom and hands-on lab practice
- Virtual instructor-led training: 3 days of web-based classes and hands-on lab practice
- E-learning: Equivalent of 3 days of instruction

How you'll benefit

This course will:

- Gain introductory knowledge of the security and cloud services available in Cisco SD-WAN
- Expand your knowledge of integrated security services, such as the application aware firewall and intrusion prevention and cloud and collocated security services in on-premises and private or public cloud environments
- Understand drivers, benefits, available features, and architecture of Cisco SD-WAN integrated and distributed security and cloud networking services
- Gain leading-edge skills for high-demand responsibilities focused on security and cloud services
- Earn 24 CE credits towards recertification

Who should enroll

This course is designed for the following roles:

- Network engineers
- Network security engineers
- Network architects
- Sales/presales engineers

Technology areas

- Enterprise networking
- Network security
- Cisco SD-WAN
- Cloud services

Course details

Objectives

After completing this course, you should be able to:

- Describe Cisco SD-WAN security functions and deployment options
- Understand how to deploy on-premises threat prevention
- Describe content filtering options
- Implement secure Direct Internet Access (DIA)
- Explain and implement service chaining
- Explore Secure Access Service Edge (SASE) and identify use cases
- Describe Cisco Umbrella SIG and deployment options
- Implement Cisco Umbrella SIG and DNS policies
- Explore and implement Cloud Access Security Broker (CASB) and identify use cases (including Microsoft 365)
- Discover how to use Cisco ThousandEyes to monitor cloud services
- Configure Cisco ThousandEyes to monitor Microsoft 365 applications
- Examine how to protect and optimize access to the software as a service (SaaS) application with Cisco SD-WAN Cloud OnRamp
- Discover and deploy Cloud OnRamp for multi-cloud, including interconnect and collocation use cases
- Examine Cisco SD-WAN monitoring capabilities and features with vManage and vAnalytics

Prerequisites

Recommended knowledge and training

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

- Basic understanding of enterprise routing
- Basic understanding of WAN networking
- Basic understanding of Cisco SD-WAN
- Basic understanding of public cloud services

These skills can be found in the following Cisco Learning Offerings:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing Cisco SD-WAN Solutions (ENSDWI)
- Cisco SD-WAN Operation and Deployment (SDWFND)

How to enroll

To enroll in the SDWSCS course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <training@fastlane-mea.com>

Outline

- Introducing Cisco SD-WAN Security
- Deploying On-Premises Threat Prevention
- Examining Content Filtering
- Exploring Cisco SD-WAN Dedicated Security Options
- Examining Cisco SASE
- Exploring Cisco Umbrella SIG
- Securing Cloud Applications with Cisco Umbrella SIG
- Exploring Cisco SD-WAN ThousandEyes
- Optimizing SaaS Applications
- Connecting Cisco SD-WAN to Public Cloud
- Examining Cloud Interconnect Solutions
- Exploring Cisco Cloud OnRamp for Colocation
- Monitoring Cisco SD-WAN Cloud and Security Solutions

Lab outline

- Configure Threat Prevention
- Implement Web Security
- Deploy DIA Security with Unified Security Policy
- Deploy Service Chaining
- Configure Cisco Umbrella DNS Policies
- Deploy Cisco Umbrella Secure Internet Gateway
- Implement CASB Security
- Microsoft 365 SaaS Testing by Using Cisco ThousandEyes
- Configure Cisco OnRamp for SaaS
- Deploy Cisco SD-WAN Multicloud Gateways
- Cisco vAnalytics Overview