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Implementing Cisco SD-WAN Security and Cloud Solutions (SDWSCS) V1.1

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Course Duration

3 days

Course Price

$2,995.00
29 CLCs

Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

About this Class

The Implementing Cisco SD-WAN Security and Cloud Solutions (SDWSCS) V1.1 course is an advanced training course focused on Cisco 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 TLS or SSL decryption. You will also learn about cloud integration with multiple cloud services providers and multiple use-cases. Additionally, the lab 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.

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How you will benefit

This class will help you:

- Introduce you to 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
- Help you understand drivers, benefits, available features, and the architecture of Cisco SD-WAN integrated and distributed security and cloud networking services

Why Attend with Current Technologies CLC

- Our Instructors are 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 job roles best suited to the material in this course are:

- Network Engineers
- Network Security Engineers
- Network Architects
- Sales/presales Engineers

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Objectives

After taking 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 Umbrella Secure Internet Gateway (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

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Course Outline

Module 1: Introducing Cisco SD-WAN Security

Module 2: Deploying On-Premises Threat Prevention

Module 3: Examining Content Filtering

Module 4: Exploring Cisco SD-WAN Dedicated Security Options

Module 5: Examining SASE

Module 6: Exploring Cisco Umbrella SIG

Module 7: Securing Cloud Applications with Cisco Umbrella SIG

Module 8: Exploring Cisco SD-Wan ThousandEyes

Module 9: Optimizing SaaS Applications

Module 10: Connecting Cisco SD-WAN to Public Cloud

Module 11: Examining Cloud Interconnect Solutions

Module 12: Exploring Cisco Cloud OnRamp for Colocation

Module 13: Monitoring Cisco SD-WAN Cloud and Security Solutions

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Lab Outline

- **Lab 1: Configure Threat Prevention**

- **Lab 2: Implement Web Security**

- **Lab 3: Deploy DIA Security with Unified Security Policy**

- **Lab 4: Deploy Service Chaining**

- **Lab 5: Configure Cisco Umbrella DNS Policies**

- **Lab 6: Deploy Cisco Umbrella Secure Internet Gateway**

- **Lab 7: Implement CASB Security**

- **Lab 8: Microsoft 365 SaaS Testing by Using Cisco ThousandEyes**

- **Lab 9: Configure Cisco OnRamp for SaaS**