



**Document Generated: 01/15/2025**

**Learning Style: Virtual Classroom**

**Provider: Cisco**

**Difficulty: Intermediate**

**Course Duration: 2 Days**

## **Cisco SD WAN Operation and Deployment 1.0 (ENSDW)**

### **About this course:**

The *ENSDW - Cisco SD-WAN Operation and Deployment v1.0* course provides an overview of the Cisco SD-WAN solution and SD-WAN components. Students will learn how to create, manage, and operate a secure extensible network using Cisco SD-WAN products. The course covers how to configure, operate, and monitor overlay routing in a secure extensible network. Students will also learn about policies and quality of service (QoS) in the SD-WAN overlay network.

### **Course Objective:**

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 aid 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.

## **Audience:**

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

## **Prerequisite:**

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)

## **Course Outline:**

### **Module 1: SD-WAN Solution Components**

- Lesson 1: SD-WAN Solution Overview
- Lesson 2: SD-WAN Components
- Lesson 3: Managing SD-WAN Components

### **Module 2: Secure Extensible Network Deployment**

- Lesson 1: Secure Control Plane Operation
- Lesson 2: Secure Control Plane Deployment
- Lesson 3: Secure Data Plane Operation
- Lesson 4: Cloud Deployments and Redundancy

### **Module 3: SD-WAN Template Deployment**

- Lesson 1: Templates Overview
- Lesson 2: Feature Templates
- Lesson 3: Device Templates
- Lesson 4: Attaching Devices to Templates

### **Module 4: SD-WAN Overlay Routing**

- Lesson 1: Overlay Routing Overview
- Lesson 2: OMP Route Advertisements
- Lesson 3: OMP Route Redistribution and Network Segmentation
- Lesson 4: Configuring and Verifying Overlay Routing

## Module 5: SD-WAN Policies and QoS

- Lesson 1: Policy Overview and Framework
- Lesson 2: vSmart Policy Operation and Construction
- Lesson 3: Forwarding and QoS Overview
- Lesson 4: Configuring and Monitoring QoS Forwarding

### Lab:

- Lab 1: Manage and Monitor SD-WAN Components
- Lab 2: Deploy and Verify SD-WAN vEdge Routers
- Lab 3: Deploy SD-WAN Templates
- Lab 4: SD-WAN Overlay Routing
- Lab 5: SD-WAN Policies

### Credly Badge:



### Display your Completion Badge And Get The Recognition You Deserve.

Add a completion and readiness badge to your LinkedIn profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

[Find Out More](#) or [See List Of Badges](#)