

ENSDW (CISCO SD-WAN OPERATION AND DEPLOYMENT)

1.0

Objetivo

The Cisco SD-WAN Operation and Deployment (ENSDW) 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. 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.

Público Alvo

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

Pré-Requisitos

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)

Carga Horária

16 horas (2 dias).

Conteúdo Programático

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

- 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 Outline

- 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