

Course Code ENSDW
Duration 2 days

Overview

The Cisco SD-WAN Operation and Deployment course is designed to provide 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. Policies and quality of service (QoS) in the SD-WAN overlay network are also included

Audience

Engineers involved in the implementation of a Cisco SD-WAN environment.

Learning Objectives

By actively participating in this course, you will learn about the following:

- ▶ Identifying the various components and architecture of the Cisco SD-WAN solution.
 - ▶ Deploying vEdge routers in a secure extensible network.
 - ▶ Creating templates to aide in the deployment and operation of the secure extensible network.
 - ▶ Configuring and verifying overlay routing in the secure extensible network.
 - ▶ Creating simple policies to control traffic flow in the secure extensible network.
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Pre-Requisites

- ▶ Strong understanding of enterprise-wide area network design
 - ▶ Strong understanding of routing protocol operation, including both interior and exterior routing protocol operation ROUTE and TSHOOT Recommended
 - ▶ Familiarity with Transport Layer Security (TLS) and IP Security (IPSec) - SENSS Recommended
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Course Contents

SD-WAN Solution Components

- ▶ SD-WAN Solution Overview
- ▶ SD-WAN Components
- ▶ Managing SD-WAN Components

Secure Extensible Network Deployment

- ▶ Secure Control Plane Operation
- ▶ Secure Control Plane Deployment
- ▶ Secure Data Plane Operation
- ▶ Cloud Deployments and Redundancy



SD-WAN Template Deployment

- ▶ Templates Overview
- ▶ Feature Templates
- ▶ Device Templates
- ▶ Attaching Devices to Templates

SD-WAN Overlay Routing

- ▶ Overlay Routing Overview
- ▶ OMP Route Advertisements
- ▶ OMP Route Redistribution and Network Segmentation
- ▶ Configuring and Verifying Overlay Routing

SD-WAN Policies and QoS

- ▶ Policy Overview and Framework
- ▶ Smart Policy Operation and Construction
- ▶ Forwarding and QoS Overview
- ▶ Configuring and Monitoring QoS Forwarding

Labs

- ▶ Manage and Monitor SD-WAN Components
- ▶ Deploy and Verify SD-WAN vEdge Routers
- ▶ Deploy SD-WAN Templates
- ▶ SD-WAN Overlay Routing
- ▶ SD-WAN Policies

Exam Details

There are no exams currently aligned to this course.

Further Information

For more information or to book this course, please contact our Course Enquiries Team on **01752 227330** (Option 2) or email us at enquiries@skilltec.co.uk.