Cisco SD-WAN Operation and Deployment (SDWFND)

COURSE OVERVIEW

The Cisco SD-WAN Operation and Deployment (SDWFND) v2.0 course provides a comprehensive overview of the Cisco® Software-Defined WAN (SD-WAN) solution and Cisco SD-WAN components such as vManage, vSmart and vBond.

You will learn how to deploy, manage, and operate a secure, programmable, and scalable SD-WAN fabric using IOS XE Cisco SD-WAN products. The course also covers how to configure, operate, and monitor overlay routing across the Cisco SD-WAN network. In addition, you will learn about data and control policies, and how to deploy Quality of Service (QoS) and Direct Internet Access (DIA) in the SD-WAN overlay network.

WHO WILL BENEFIT FROM THIS COURSE?

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

PREREQUISITES

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)

These recommended Cisco learning offerings may help students meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)

COURSE OBJECTIVES

After taking this course, you should be able to:

- Identify the various network elements of the Cisco SD-WAN solution.
- Deploy WAN Edge routers.
- Create templates to aid in the deployment and operation of the Cisco SD-WAN network.
- Configure and verify Cisco SD-WAN overlay routing.
- Create simple policies to control traffic flow through the Cisco SD-WAN fabric.

COURSE OUTLINE

Course outline
- Cisco SD-WAN Solution Components
- Cisco SD-WAN Network Deployment
- Cisco SD-WAN Configuration Management
- Cisco SD-WAN Overlay Routing
- Cisco SD-WAN Policies

Lab outline
- Manage and Monitor Cisco SD-WAN Components
- Deploy and Verify Cisco SD-WAN Edge Routers
- Deploy Cisco SD-WAN Edge Configuration
- Implement Cisco SD-WAN Overlay Routing
- Deploy Cisco SD-WAN Policies

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