

SDWOTS: Cisco SD-WAN Operations, Troubleshooting, and Best Practices Course

Course Duration: 24 Hours

Course Code: SDWOTS

1. Course Overview

The Cisco SD-WAN Operations, Troubleshooting, and Best Practices (SDWOTS) course is designed to provide network engineers and IT professionals with the skills required to operate, manage, and troubleshoot Cisco SD-WAN environments. This course emphasizes practical experience in monitoring, configuring, and optimizing SD-WAN solutions, while also covering industry best practices to ensure secure and efficient deployments.

2. What You'll Learn?

By the end of this course, you will be able to:

- Operate and monitor a Cisco SD-WAN environment.
- Implement and verify common Cisco SD-WAN configurations.
- Troubleshoot control, data, and application-aware routing issues.
- Apply best practices for scaling, securing, and maintaining Cisco SD-WAN.
- Optimize SD-WAN solutions for performance, resilience, and application delivery.

3. Target Audience

This course is intended for:

- Network engineers
- Network administrators
- System engineers
- Network managers
- Professionals working with Cisco SD-WAN environments

4. Pre-Requisites

Participants should have:

- Knowledge of enterprise WAN design.
- Understanding of routing protocols such as OSPF, BGP, and EIGRP.
- Familiarity with Transport Layer Security (TLS) and IP Security (IPSec).
- Completion of **Cisco SD-WAN Operation and Deployment (SDWFND)** course is recommended.

5. Course Content

Module 1: Cisco SD-WAN Operations

- Overview of Cisco SD-WAN components
- Managing vSmart, vBond, and vManage
- Policies and configurations

Module 2: Monitoring and Maintenance

- Network and application monitoring tools
- Using vManage dashboards
- Troubleshooting workflows

Module 3: Troubleshooting Control Plane and Data Plane

- Control plane troubleshooting techniques
- Data plane verification
- Application-aware routing issues

Module 4: Security and Best Practices

- Cisco SD-WAN security features
- IPSec and TLS troubleshooting
- Best practices for high availability and resiliency

Module 5: Optimization and Scaling

- Application performance optimization
- Scaling Cisco SD-WAN deployments
- Cloud and hybrid integrations

