

SD-WAN Architect

In this course, you will learn about common SD-WAN deployment scenarios using the Fortinet Secure SD-WAN solution. You will explore different situations, from a single enterprise site to environments with multiple data centers in multiple regions, that will help you to enhance and troubleshoot SD-WAN deployments. You will also learn how to deploy a new topology using the SD-WAN overlay template and the zero-touch provisioning process.

Product Version

- FortiOS 7.4.4
- FortiManager 7.4.5

Course Duration

- Lecture time (estimated): 11 hours
- Lab time (estimated): 12 hours
- Total course duration (estimated): 23 hours
 - 4 full days or 6 half days

Who Should Attend

Anyone responsible for designing a Fortinet SD-WAN solution or for the day-to-day management of a Fortinet SD-WAN deployment and network operations should attend this course.

Certification

This course is intended to help you prepare for the *FCSS—SD-WAN 7.4 Architect* certification exam. This exam is part of the following certification tracks:

- Fortinet Certified Solution Specialist - Network Security
- Fortinet Certified Solution Specialist - Secure Access Service Edge

Prerequisites

- You must have advanced knowledge of networking, and extensive hands-on experience working with FortiGate and FortiManager.
- It is recommended that you have an understanding of the topics covered in the following courses, or have equivalent experience:
 - FCP - *FortiGate Administrator 7.4*
 - FCP - *FortiManager Administrator 7.4*

Agenda

1. Introduction
2. Centralized Management
3. Zero-Touch Provisioning and SD-WAN Monitoring
4. Members, Zones, and Performance SLAs
5. Routing and Sessions
6. Rules
7. SD-WAN Overlay Design and Best Practices
8. Dual-Hub and Multiregion Topologies
9. ADVPN
10. Troubleshooting Lab Exercises

Objectives

After completing this course, you should be able to:

- Describe the capabilities of the Fortinet Secure SD-WAN solution
- Deploy FortiOS SD-WAN solutions with FortiManager and FortiAnalyzer
- Configure basic SD-WAN features
- Configure advanced SD-WAN features
- Understand and use the FortiManager SD-WAN overlay template
- Understand and use ZTP to deploy SD-WAN branch devices
- Understand the SD-WAN route and rule lookup process
- Understand the different rule criteria and strategies available to steer traffic using SD-WAN, and how SD-WAN responds to changing link conditions
- Deploy SD-WAN using basic IPsec and routing configuration
- Deploy SD-WAN using advanced IPsec and routing configuration
- Troubleshoot SD-WAN routing and rule matching issues

Training Delivery Options and SKUs

Instructor-Led Training

Includes standard NSE training content delivered in person onsite, or live online using a virtual classroom application. Training is delivered within [public classes](#) or as a private class. Private requests are scoped, quoted, developed, and delivered by Fortinet Training (minimum quantities apply).

Contact your [Fortinet Resellers](#) or [Authorized Training Partners](#) to purchase this course.

Self-Paced Training

Includes online training videos and resources through the [Fortinet Training Institute](#) library, free of charge.

You can purchase on-demand lab access with interactive, hands-on activities using the following methods:

- Credit card, through the course on the Fortinet Training Institute
- Purchase order (PO), through [Fortinet Resellers](#) or [Authorized Training Partners](#)

After you complete the purchase, you receive lab access and the accompanying lab guide within the self-paced course.

For training and lab SKUs, or additional purchasing information, refer to [Purchasing Process](#).

ISC2

- CPE training hours: 11
- CPE lab hours: 12
- CISSP domains: Security Operations

Program Policies and FAQs

For questions about courses, certification, or training products, refer to [Program Policy Guidelines](#) or [Frequently Asked Questions](#).

