

SD-WAN Architect

Course Description

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:

4 days

Certification:

This course is intended to help you prepare for the FCSS—SD-WAN7.4Architect 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

Outlines:

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

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.

