

NSE 7 SD-WAN Course

Course Duration: 16 Hrs.

Course Code: NSE7-SDWAN-7.x

Course Overview

The **NSE 7 SD-WAN** course is designed for network and security professionals responsible for deploying and managing Fortinet SD-WAN solutions in enterprise environments. This advanced course focuses on SD-WAN architecture, configuration, security integration, monitoring, and optimization. Participants will gain hands-on experience in designing and implementing SD-WAN for improved network performance, reliability, and secure connectivity across branch offices and data centers, while preparing for the NSE 7 SD-WAN certification.

What You'll Learn?

By completing this course, you will be able to:

- Understand Fortinet SD-WAN architecture and components
- Deploy and configure SD-WAN for enterprise networks
- Implement secure connectivity with integrated Fortinet security
- Optimize network performance and traffic routing
- Monitor SD-WAN performance and application usage
- Troubleshoot connectivity and performance issues
- Apply best practices for SD-WAN design, deployment, and operations

Target Audience

This course is ideal for:

- Network and Security Engineers

- IT Infrastructure Administrators
- Enterprise Network Architects
- SOC/NOC Teams managing branch office connectivity
- Professionals preparing for the NSE 7 SD-WAN certification

Pre-Requisites

Participants should have:

- Strong understanding of networking fundamentals (TCP/IP, LAN/WAN)
- Experience with routing, switching, and firewall configuration
- Familiarity with Fortinet products or NSE 4-level knowledge is recommended

Course Content

Module 1: SD-WAN Architecture and Overview

- Fortinet SD-WAN concepts and deployment models
- SD-WAN vs traditional WAN
- Key features and components

Module 2: SD-WAN Deployment and Configuration

- Setting up SD-WAN interfaces and zones
- Defining virtual WAN overlays
- Configuration of tunnels and secure connectivity

Module 3: Security Integration

- FortiGate integration with SD-WAN
- Implementing security policies and inspection

- Threat protection and compliance in SD-WAN

Module 4: Traffic Management and Optimization

- Application-aware routing
- Load balancing and path selection
- Performance SLA monitoring and optimization

Module 5: Monitoring and Analytics

- SD-WAN dashboards and reporting
- Network performance metrics and application usage monitoring
- Alerting and logging

Module 6: Troubleshooting and Best Practices

- Common SD-WAN deployment and configuration issues
- Diagnostic tools and techniques
- Operational best practices for enterprise SD-WAN networks