

FortiSwitch Course

Course Duration: 16 Hrs.

Course Code: FSW-ADM-7.x

Course Overview

The **FortiSwitch** course is designed for network and security professionals who want to manage and optimize Fortinet switching solutions. This course focuses on the deployment, configuration, and management of FortiSwitch devices in enterprise and campus networks. Participants will learn how to integrate FortiSwitch with FortiGate and the Fortinet Security Fabric to enhance network performance, security, and visibility, while gaining hands-on experience with real-world networking scenarios.

What You'll Learn?

By completing this course, you will be able to:

- Deploy and configure FortiSwitch devices in various network topologies
- Integrate FortiSwitch with FortiGate and Security Fabric
- Configure VLANs, trunking, and link aggregation
- Implement Layer 2 and Layer 3 features for enterprise networks
- Monitor switch performance, logs, and alerts
- Troubleshoot connectivity and configuration issues
- Apply best practices for secure and efficient network switching

Target Audience

This course is ideal for:

- Network and Security Engineers
- IT Infrastructure Administrators

- SOC and NOC Network Operations Teams
- Enterprise Network Designers
- Professionals managing FortiSwitch or Fortinet network environments

Pre-Requisites

Participants should have:

- Basic understanding of networking fundamentals (TCP/IP, LAN/WAN)
- Familiarity with switching concepts (VLANs, STP, trunking)
- Experience with Fortinet products or NSE 4-level knowledge is recommended

Course Content

Module 1: FortiSwitch Architecture and Deployment

- FortiSwitch models and hardware overview
- Deployment options and topologies
- Initial configuration and system setup

Module 2: VLANs and Layer 2 Features

- VLAN configuration and management
- Spanning Tree Protocol (STP)
- Link aggregation and port management

Module 3: Layer 3 Features and Routing

- Inter-VLAN routing
- Static and dynamic routing on FortiSwitch

- Layer 3 redundancy

Module 4: Security and Access Control

- Network Access Control (NAC) integration
- Access policies and segmentation
- FortiSwitch integration with FortiGate Security Fabric

Module 5: Monitoring, Logging, and Reporting

- Switch monitoring dashboards
- Event logging and alerting
- Network performance metrics

Module 6: Troubleshooting and Best Practices

- Common connectivity and configuration issues
- Diagnostic tools and techniques
- Operational best practices for enterprise switching