

# FortiSwitch Administrator – Version 7.6

## Course Description

- This course explains how to deploy, configure, and manage FortiSwitch devices in both FortiLink-managed and standalone modes.
- Participants will learn how FortiSwitch integrates with FortiGate to simplify switch management, improve visibility, and strengthen network security.
- The course also covers Layer 2 and Layer 3 switching concepts, switch topologies, MCLAG deployment, monitoring, and troubleshooting techniques used in enterprise environments.

## Who Should Attend

- This training is designed for network engineers, security administrators, support professionals, and IT staff responsible for managing switching infrastructure.
- It is also suitable for professionals who want practical knowledge of FortiSwitch deployment, monitoring, and integration with Fortinet security solutions.

## Prerequisites

- Basic understanding of computer networking concepts.
- Familiarity with Layer 2 switching technologies such as VLANs and STP.
- General knowledge of FortiGate administration is recommended before attending this course.

## Agenda

1. Switching Fundamentals
2. Managed Switching Operations
3. Switch Administration Basics
4. Spanning Tree Protocol Concepts
5. Layer 2 Network Design
6. Layer 2 Protection Features
7. Advanced Switching Functions
8. QoS and Multi-Tenant Networking
9. Switch Monitoring and Visibility
10. Standalone Switching and FortiEdge Cloud

## 11. Standalone Switching — Layer 2 and Layer 3 Deployment

## 12. Troubleshooting and Diagnostics

### Objectives

- Understand the FortiSwitch product family and different deployment methods.
- Learn how to configure and manage FortiSwitch devices using FortiLink.
- Gain knowledge of VLANs, link aggregation, MLAG, and Layer 2 discovery protocols.
- Understand switch topologies and redundancy mechanisms used in enterprise networks.
- Configure STP, RSTP, and MSTP to improve network stability and loop prevention.
- Implement Layer 2 security features to protect the switching environment.
- Configure 802.1X authentication and dynamic VLAN assignment for endpoint access control.
- Learn how to monitor FortiSwitch devices using SNMP, sFlow, and traffic analysis tools.
- Understand troubleshooting techniques and diagnostic tools for switch management.