

# LAN Edge

***In this course (formerly Secure Access), you will learn how FortiGate, FortiAP, FortiSwitch, FortiManager, and FortiAuthenticator enable secure connectivity over wired and wireless networks. You will also learn how to provision, administer, monitor, and secure network access using FortiAP, FortiSwitch, and centralized management on FortiManager.***

## Product Version

- FortiGate 7.0
- FortiAP 6.4
- FortiSwitch 7.0
- FortiAnalyzer 7.0
- FortiManager 7.0
- FortiAuthenticator 6.4

## Course Duration

- Lecture time (estimated): 9 hours
- Lab time (estimated): 7 hours
- Total course duration (estimated): 16 hours
  - 3 full days or 4 half days

## Who Should Attend

Networking and security professionals involved in the design, administration, and management of FortiGate, FortiManager, FortiAP, FortiSwitch, and Wireless Manager devices used to secure access to their organization's resources should attend this course.

## Certification

This course is intended to help you prepare for the *Fortinet NSE 7 - LAN Edge 7.0* certification exam. This exam is part of the Fortinet Certified Solution Specialist - Network Security certification track.

## Prerequisites

You must have an understanding of the topics covered in the following courses, or have equivalent experience:

- *FCP - FortiGate Security*
- *FCP - FortiGate Infrastructure*
- *FCP - FortiManager*
- *FCP - Secure Wireless LAN*
- *FCP - FortiSwitch*
- *FCP - FortiAuthenticator*

## Agenda

1. LDAP and RADIUS
2. Certificate-Based Authentication
3. RADIUS and Syslog Single Sign-On
4. Centralized Management
5. FortiSwitch
6. Port Security
7. Integrated Wireless
8. Guest Access
9. Enhanced Wireless

## Objectives

After completing this course, you will be able to:

- Configure advanced user authentication and authorization scenarios using RADIUS and LDAP
- Troubleshoot user authentication and authorization problems
- Implement two-factor authentication using digital certificates
- Implement and troubleshoot RADIUS and syslog single sign-on solutions
- Provision, configure, and manage FortiSwitch using FortiManager over FortiLink
- Configure Layer 2 authentication for wired and wireless users using 802.1X
- Provision, deploy, and manage FortiAP using FortiManager over FortiLink
- Deploy complex wireless networks with dynamic VLAN assignments
- Implement and deploy wireless networks with IoT segmentation
- Secure the wired and wireless network
- Provide secure access to guest users

- Monitor and analyze wireless clients and traffic using FortiWLM
- Automatically quarantine wired and wireless clients using IOC triggers

## 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).

Use the following ILT Training SKU to purchase scheduled public classes of this course through [Fortinet Resellers](#) or [Authorized Training Partners](#):

FT-SAC

### Self-Paced Training

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

## (ISC)<sup>2</sup>

- CPE training hours: 9
- CPE lab hours: 7
- CISSP domains: Identity and Access Management (IAM)

## Program Policies and FAQs

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

