

# The Security on Wireless Network and Mobile Device

Duration 1 Day

## COURSE OUTLINE

### Module 1: Wireless Network Security

- Introduction to Wireless Network Security
  - Overview of Wireless Standards
  - Key Concepts in Wireless Security
- Wireless Encryption
  - Understanding WEP, WPA, WPA2, and WPA3
  - Encryption Protocols and Vulnerabilities
- Wi-Fi Authentication
  - Shared Key Authentication
  - Centralized Authentication Server
  - Implementing Secure Authentication
- Implementing Wireless Security
  - Practical Labs: Configuring Wireless Security
  - Best Practices in Wireless Network Security

### Module 2: Mobile Device Security

- Mobile Device Connection Methods
  - Understanding Various Connection Methods
  - Risks Associated with Different Connection Types
- Mobile Device Management (MDM)
  - Introduction to MDM Solutions
  - Configuring Mobile Device Policies
- Security for BYOD, CYOD, COPE, COBO Policies
  - Policies and Strategies for Different Device Ownership Models
  - Balancing Security and User Convenience
- Mobile Threat Defense Solutions
  - Identifying and Mitigating Mobile Threats
  - Security Measures Against Malware and Data Breaches
- Mobile Content Management Solutions
  - Securing Data and Content on Mobile Devices
  - Encryption and Access Controls
- Mobile Network Security Guidelines
  - Protecting Mobile Traffic
  - VPNs and Secure Communication
- Android Security Tools
  - Overview of Android Security Features
  - Utilizing Security Tools and Settings
- iOS Device Security Tools
  - Overview of iOS Security Features
  - Utilizing Security Tools and Settings for iOS Devices