NSE 8 Fortinet Network Security Expert Course

Course Duration: 16 Hrs.   **Course Code: NSE8-FNSE**

Course Overview

The **NSE 8 Fortinet Network Security Expert** course is the highest-level certification and training program offered by Fortinet for senior network and security professionals. This advanced course is designed to validate expert-level skills in designing, configuring, deploying, and troubleshooting complex Fortinet security infrastructures. Participants will gain hands-on experience in advanced Fortinet technologies, security architecture, and enterprise-grade network security management, preparing them for the prestigious NSE 8 certification exam.

What You'll Learn?

By completing this course, you will be able to:

- Design, configure, and optimize enterprise-grade Fortinet security networks
- Deploy and manage FortiGate, FortiManager, FortiAnalyzer, and FortiSIEM solutions in large-scale environments
- Implement advanced security policies and architectures
- Troubleshoot complex network and security issues
- Integrate Fortinet Security Fabric components for end-to-end security
- Conduct risk assessments and recommend mitigation strategies
- Prepare for NSE 8 practical and written certification exams

Target Audience

This course is ideal for:

- Senior Network and Security Engineers

- Fortinet Solution Architects

- SOC and NOC Leaders

- IT Security Consultants

- Professionals aiming to achieve NSE 8 Fortinet Network Security Expert certification

Pre-Requisites

Participants should have:

- Extensive hands-on experience with Fortinet products (FortiGate, FortiManager, FortiAnalyzer)

- Advanced knowledge of networking, security, and enterprise infrastructure

- Completion of NSE 4, NSE 5, and NSE 6 certifications is strongly recommended

- Practical experience in security design, troubleshooting, and incident response

Course Content

Module 1: Enterprise Network Security Architecture

- Advanced Fortinet Security Fabric concepts

- Enterprise network design principles

- Security policy planning and deployment strategies

Module 2: Advanced FortiGate Deployment and Management

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- High availability, clustering, and redundancy

- VPN, routing, and firewall optimization

- Multi-domain and multi-tenant management

Module 3: FortiManager, FortiAnalyzer, and FortiSIEM Integration

- Centralized management and monitoring

- Policy orchestration and compliance

- Event correlation and incident response

Module 4: Advanced Threat Protection

- Threat intelligence and mitigation

- Sandbox integration and endpoint protection

- Advanced malware and intrusion prevention

Module 5: Troubleshooting and Optimization

- Network and security issue diagnostics

- Performance tuning and optimization

- Case studies of complex enterprise deployments

Module 6: Certification Exam Preparation and Best Practices

- NSE 8 written and practical exam guidance

- Best practices for enterprise security operations

- Operational readiness and exam scenarios