



Course: Fortigate Firewall Training

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of over 250 industry experts. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. We offer 100% placement support through JobsNEAR.in

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, SalesForce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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Module 1: Introduction to FortiGate and Network Security

- * Overview of Network Security Fundamentals
- * Firewall types and functions
- Threats and mitigation strategies
- * Introduction to Fortinet and FortiGate
- Fortinet Security Fabric
- FortiGate models and deployment scenarios
- * Understanding FortiOS
- * Key features of FortiOS
- * Licensing and support

Module 2: FortiGate Basics

- * Initial Setup and Configuration
- * FortiGate hardware setup
- * Accessing the FortiGate GUI and CLI
- Basic network settings and initial configuration
- FortiGate Dashboard Overview
- * System information widgets
- Monitoring tools and logs
- * Interface Configuration
- * Types of interfaces: physical, VLAN, and virtual
- * Configuring IP addresses and DHCP

Module 3: Firewall Policies

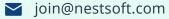
* Policy Basics

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- * Understanding security policies
- * Implicit deny and policy precedence
- * Creating and Managing Firewall Policies
- * Traffic inspection
- Configuring NAT (SNAT and DNAT)
- * Logging and monitoring policies

Module 4: User Authentication

- * Authentication Concepts
- * Types of authentication: local, RADIUS, LDAP
- * Single Sign-On (SSO) integration
- * Configuring User Authentication
- * Creating user accounts and groups
- * Enforcing authentication in policies

Module 5: Virtual Private Networks (VPNs)

- * IPsec VPN Configuration
- * Site-to-site VPN setup
- * Remote access VPN
- * SSL VPN Configuration
- * Portal customization
- * Split tunneling
- * Troubleshooting VPNs

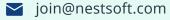
Module 6: Advanced Security Features

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- * Intrusion Prevention System (IPS)
- Understanding signatures and actions
- * Configuring IPS profiles
- **Application Control**
- Identifying and controlling applications
- Creating application control policies
- * Web Filtering
- URL filtering and categorization
- Configuring and customizing web filter profiles
- * Antivirus and Antimalware
- * On-access and on-demand scanning
- * Configuring antivirus profiles

Module 7: High Availability and Scalability

- * High Availability (HA)
- Active-passive and active-active modes
- Configuring HA clusters
- * Load Balancing
- * Load balancing concepts and configuration
- * Monitoring and failover

Module 8: Logging and Monitoring

- * FortiView and LoggingReal-time traffic analysis
- * Customizing FortiView dashboardsLog Management

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- * Configuring log settings and storage
- Integrating with FortiAnalyzer
- * ReportingGenerating custom reports
- * Scheduling automated reports

Module 9: Troubleshooting and Maintenance

- * Common Troubleshooting Techniques
- Diagnostic tools: ping, traceroute, packet capture
- Debugging commands
- * Firmware Management
- * Upgrading and downgrading firmware
- * Managing firmware versions and backups
- * Backup and Restore
- * Configuration backup methods
- * Restoring configurations

Module 10: Real-World Deployment Scenarios

- * Case Studies
- Configuring FortiGate for small to medium businesses
- * Securing branch offices with FortiGate
- * Integrating FortiGate with cloud services
- * Best PracticesSecurity hardening
- * Regular audits and compliance

Module 11: Certification Preparation (Optional)

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- * Fortinet NSE 4 Exam Preparation
- * Exam objectives and study materials
- * Practice tests and hands-on labs
- * Additional Certifications
- * Overview of Fortinet NSE 5-8 certifications

(Click on Course for more details)

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- Thank You -

N.B:This syllabus is not final and can be customized as per requirements / updates.

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