ONE ACCESS
NETWORKING & CYBER ACADEMY

FORTINET

FIREWALL ADMINISTRATOR

100% Live Instructor Lead Course with Industry Focus

DURATION
04 MONTHS
32 HOURS

FEES
Rs 20000.00

CERTIFICATE
Upon Completion

BEGINNER TO ADVANCE

BATCH 05
Limited Seats

ONLINE VIA ZOOM
Live Interactive Sessions

LMS ACCESS
Study Materials, Notes, Labs & More

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WHAT YOU'LL LEARN

This training program is specially designed for professionals currently working in the IT industry as well as individuals preparing to enter the networking and cybersecucity field. Our primary focus is to help you build practical, real-world Fortinet Firewall skills with a strong industry-oriented approach.

As a 100% industry-focused training program, this course provides hands-on knowledge from the fundamentals to advanced FortiGate Firewall implementation, configuration, and troubleshooting.

The training covers a wide range of topics, including FortiGate introduction and lab setup, basics with GUI and CLI, IPv4 static and default routing, zone implementation, IPv4 RIP and OSPF implementation and troubleshooting, IPv4 IS-IS implementation and troubleshooting, IPv4 BGP implementation and troubleshooting, and IPv4 link monitoring. You will also gain knowledge about IPv6 RIPng and OSPFv3 implementation and troubleshooting, IPv6 IS-ISv6 and MP-BGP implementation and troubleshooting, as well as network address translation (NAT) on both IPv4 and IPv6, user group authentication, and site-to-site VPNs using various configurations and devices. Additionally, the training covers topics such as transparent firewall, virtual wire deployment, high availability (HA), server load balancing (SLB), admin profiles, VRRP, ADVPN, Dialup VPN, SSL VPN, SD-WAN, FSSO, VDOMs, link aggregation, redundant interface, central management, and parallel path processing.

HOW YOU'LL BENEFIT

This training program goes beyond traditional virtual lab environments by providing remote access to real FortiGate Firewall devices, including models such as FortiGate 40F, 90G, and 200F, allowing you to gain hands-on experience with enterprise-grade firewall technologies.

Key Benefits of This Training

- Real Firewall Hands-on Experience
- Strong Practical Skill Development
- Real-World Security Knowledge
- Advanced Network & Security Expertise
- Career Growth & Industry Readiness

Outcome of the Training

By the end of this program, you will be able to design, deploy, configure, troubleshoot, and manage secure network infrastructures using FortiGate Firewall, helping organizations protect their systems from evolving cyber threats while strengthening your professional career in network security.

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WHO SHOULD ENROLL – FORTIGATE FIREWALL TRAINING

This training program is ideal for:

STUDENTS & ACADEMICS

- University Undergraduate Students in the fields of:
  - Information Technology
  - Networking
  - Cybersecurity
- Lecturers who require practical configuration knowledge and advanced hands-on experience in network security.

IT & NETWORK PROFESSIONALS

- Network Security Administrators
- System Administrators
- Firewall Administrators
- Network Security Engineers
- IT Managers
- SOC Engineers
- Network Engineers
- Network Administrators
- Network Support Technicians
- Help Desk Technicians
- Interns, Trainees, and Associate-Level Engineers in networking and cybersecurity.

HIGH DEMAND SKILLS | STRENGTHEN NETWORK SECURITY | CAREER GROWTH | INDUSTRY RECOGNIZED KNOWLEDGE | PRACTICAL HANDS-ON EXPERIENCE

CERTIFICATION CANDIDATES

- Individuals planning to take Fortinet **NSE Certification Examinations.**

COURSE PREREQUISITES

- Familiarity with networking concepts such as **routing, switching, and IP addressing** is recommended.
- Basic understanding of **network security fundamentals** is required.

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TRAINING DETAILS

Complete Programme Information & Student Learning Experience

TRAINING NAME
FortiGate Firewall Administrator

TRAINING TYPE
Instructor-Led Training
(Classroom & Online)

BATCH INFORMATION
05th Batch
Saturday & Sunday
8:00 PM – 10:00 PM

TRAINING DURATION
04 Months
(30–40 Hours)

PAYMENT OPTIONS
Cash | Credit Card | Debit Card | Bank Transfer | EMI up to 04 Months

Flexible & Secure Payment Methods

RECORDED VIDEO LECTURES
YES – Lifetime access via our Learning Portal (LMS)

REAL FIREWALL LAB ACCESS

YES – Remote access to real FortiGate Firewall devices for hands-on practical experience.

Students will configure, troubleshoot and manage live firewall environments under the guidance of industry-experienced instructors.

STUDY MATERIALS INCLUDED

- WORKBOOKS
- NOTES & HANDOUTS
- EXAM PREPARATION MATERIALS
- INTERVIEW PREPARATION MATERIALS

LEARNING PORTAL (LMS)

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COURSE DETAILS / COURSE OUTLINE

MODULE 01: INTRODUCTION TO NEXT-GENERATION FIREWALLS (NGFW)

INTRODUCTION TO NEXT-GENERATION FIREWALLS (NGFW)

- What is a Firewall?
- Evolution of Firewalls (Traditional vs NGFW)
- Types of Firewalls (Packet Filtering, Stateful, Proxy, NGFW)
- Role of Firewalls in Network Security
- Common Cyber Threats & Security Challenges
- Introduction to Security Zones & Policies
- Overview of Leading Firewall Vendors

NGFW FEATURES

- Application Awareness & Control
- Intrusion Prevention System (IPS)
- Antivirus & Anti-Malware Protection
- Web Filtering & Content Control
- SSL/HTTPS Inspection
- User Identity & Authentication
- Traffic Shaping & Bandwidth Control
- Logging, Monitoring & Reporting

DEPLOYMENT METHODS

- Routed Mode vs Transparent Mode
- Inline Deployment
- Edge Firewall Deployment
- Internal Segmentation Firewall
- High Availability (HA) Concepts

HARDWARE SPECIFICATIONS

- Throughput & Performance
- Firewall Ports & Interface Types
- CPU, RAM & Storage Considerations
- Entry-Level vs Enterprise Firewall Models
- High Availability Requirements
- Power Supply & Redundancy

SOFTWARE SPECIFICATIONS

- Supported Security Features
- Operating System & Firmware Versions
- Virtual Firewall Support
- Cloud Integration Capabilities
- Centralized Management Support
- Reporting & Logging Features

MODULE 02: FORTINET & FORTIGATE FUNDAMENTALS

4 LESSONS

LESSON 01: INTRODUCTION TO FORTINET ECOSYSTEM

- Introduction to Fortinet
- Overview of Fortinet Products & Solutions
- FortiGate Product Series & Models
- Understanding Fortinet Security Approach
- Fortinet Product Integration
- Introduction to Network Security Architecture
- Real-World Enterprise Security Use Cases

LESSON 02: CLOUD MANAGEMENT & FORTINET CLOUD SERVICES

- Introduction to Cloud-Based Security Management
- Overview of Fortinet Cloud Services
- Introduction to FortiCloud
- Centralized Management Concepts
- Cloud Logging & Analytics
- Remote Device Monitoring
- Cloud-Based Backup & Configuration Management
- Security & Compliance Considerations

LESSON 03: FORTIGATE CLOUD OVERVIEW, LICENSE ACTIVATION & FORTITOKEN REGISTRATION

FORTIGATE CLOUD OVERVIEW

- Introduction to FortiGate Cloud
- Dashboard Overview & Navigation
- Device Registration Process
- Remote Monitoring & Logging

LICENSE ACTIVATION

- FortiGate Registration Process
- Contract Registration
- License Activation & Subscription Management
- Security Service Bundles
- License Verification & Troubleshooting

FORTITOKEN REGISTRATION

- Introduction to FortiToken
- Two-Factor Authentication (2FA) Concepts
- FortiToken Registration Process
- User Binding & Activation
- Authentication Verification
- Troubleshooting Token Issues

LESSON 04: UNDERSTANDING THE FORTINET SECURITY FABRIC

- Introduction to Security Fabric
- Security Fabric Architecture
- Security Fabric Components
- Device Integration within Security Fabric
- Visibility & Centralized Security
- Automation & Threat Intelligence
- Endpoint, Network & Cloud Security Integration
- Security Fabric Use Cases
- Best Practices for Security Fabric Deployment

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MODULE 03: DEPLOYMENT & INITIAL CONFIGURATION

10 LESSONS

01 LESSON 01: EVE-NG LAB ENVIRONMENT SETUP – PART 01

- Introduction to EVE-NG
- System Requirements & Installation
- EVE-NG Initial Setup
- Uploading FortiGate Images
- Creating Basic Lab Topology
- Console Access & Device Connectivity
- Network Adapter Configuration
- Troubleshooting Initial Setup Issues

02 LESSON 02: EVE-NG LAB ENVIRONMENT SETUP – PART 02

- Advanced Lab Topology Design
- Multi-Network Environment Setup
- Internet Connectivity for Virtual Labs
- Importing & Exporting Lab Files
- Snapshot & Backup Management
- Resource Optimization
- Troubleshooting Connectivity Issues
- Best Practices for Lab Management

03 LESSON 03: CONFIGURATION BACKUP & RESTORE MANAGEMENT

- Importance of Configuration Backup
- Manual Backup Process
- Automatic Backup Strategies
- Configuration Restore Procedures
- Backup File Management
- Configuration Version Control
- Recovery Validation & Testing

04 LESSON 04: FIRMWARE UPGRADE & DOWNGRADE PROCEDURES

- Understanding FortiOS Firmware Versions
- Firmware Compatibility & Upgrade Path
- GUI & CLI Upgrade Methods
- Firmware Downgrade Procedures
- Backup Before Upgrade
- Firmware Recovery Techniques
- Troubleshooting Upgrade Failures

05 LESSON 05: ADMINISTRATOR USER MANAGEMENT

- Administrator Account Types
- Creating & Managing Admin Users
- Role-Based Access Control (RBAC)
- Admin Profiles & Permissions
- Trusted Hosts Configuration
- Multi-Factor Authentication (MFA)
- Administrative Security Best Practices

06 LESSON 06: PASSWORD RECOVERY PROCESS

- Password Recovery Methods
- Console-Based Password Reset
- Recovery Requirements & Limitations
- Emergency Administrative Access
- Credential Security Best Practices

07 LESSON 07: INTERFACE TYPES & ROLES OVERVIEW

INTERFACE TYPES

- Physical Interfaces
- VLAN Interfaces
- Aggregate Interfaces
- Loopback Interfaces
- Software Switch Interfaces

INTERFACE ROLES

- LAN Interface Configuration
- WAN Interface Configuration
- DMZ Concepts
- Dedicated Management Interfaces
- Interface Security Best Practices

08 LESSON 08: INITIAL FORTIGATE SETUP (LAN/WAN CONNECTIVITY, DHCP & MANAGEMENT ACCESS)

- Initial Device Access
- LAN & WAN Interface Configuration
- IP Address Assignment
- DHCP Server Configuration
- DHCP Reservation
- DNS Configuration
- GUI, HTTPS, SSH & Ping Access
- Administrative Access Restrictions
- Connectivity Verification & Testing

09 LESSON 09: FORTILINK, VLANS, INTERFACE ROLES & LINK AGGREGATION (LACP)

FORTILINK

- Introduction to FortiLink
- FortiLink Configuration
- Centralized Switch Management

VLANS & INTERFACE ROLES

- VLAN Concepts & Configuration
- VLAN Tagging & Segmentation
- Interface Role Assignment

LINK AGGREGATION (LACP)

- Introduction to LACP
- Aggregate Interface Configuration
- Load Balancing & Redundancy
- LACP Troubleshooting

10 LESSON 10: STATIC ROUTING & POLICY-BASED ROUTING (PBR)

STATIC ROUTING

- Introduction to Routing
- Default Route Configuration
- Multiple Static Routes
- Administrative Distance
- Route Verification & Troubleshooting

POLICY-BASED ROUTING (PBR)

- Introduction to PBR
- Traffic Matching Conditions
- Source-Based Routing
- WAN Path Selection
- Load Balancing & Failover Concepts
- PBR Troubleshooting

VIRTUAL LAB

- EVE-NG Environment Deployment
- Initial FortiGate Configuration
- Backup & Restore Practical
- Firmware Upgrade & Recovery Simulation
- Admin User & MFA Configuration
- VLAN & Interface Configuration
- FortiLink & LACP Deployment
- Static Route & PBR Configuration
- Real Firewall Configuration & Troubleshooting

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MODULE 04: NETWORK ADDRESS TRANSLATION (NAT) & ROUTING

08 LESSONS

01 LESSON 01: FORTIGATE TRANSPARENT MODE CONFIGURATION

- Introduction to Transparent Mode
- Routed Mode vs Transparent Mode
- Use Cases of Transparent Mode
- Transparent Mode Deployment Architecture
- Interface Configuration in Transparent Mode
- Management IP Configuration
- Security Policies in Transparent Mode
- Traffic Flow & Packet Inspection
- Transparent Mode Troubleshooting

02 LESSON 02: INTRODUCTION TO NETWORK ADDRESS TRANSLATION (NAT)

- What is NAT?
- Importance of NAT in Network Security
- Private IP vs Public IP Addressing
- NAT Operation & Packet Flow
- NAT in Enterprise Environments
- Source NAT vs Destination NAT Overview
- NAT Best Practices

03 LESSON 03: NAT TYPES – SOURCE NAT (SNAT) & DESTINATION NAT (DNAT)

SOURCE NAT (SNAT)

- Dynamic IP Translation
- Outbound Traffic NAT
- Interface-Based NAT
- IP Pool Configuration

DESTINATION NAT (DNAT)

- Inbound Traffic Translation
- Public-to-Private IP Mapping
- NAT Flow Analysis
- Security Considerations for DNAT

04 LESSON 04: STATIC NAT & DYNAMIC NAT CONFIGURATION

STATIC NAT

- One-to-One NAT Configuration
- Fixed Public IP Mapping
- Use Cases of Static NAT
- Static NAT Verification

DYNAMIC NAT

- NAT Pool Configuration
- Multiple Device Translation
- Outbound Internet Access
- Dynamic NAT Troubleshooting

05 LESSON 05: VIRTUAL IPS (VIPS) & DESTINATION NAT PORT FORWARDING

- Introduction to Virtual IPs (VIPs)
- VIP Configuration Process
- Port Forwarding Concepts
- Single Port vs Multiple Port Forwarding
- Publishing Internal Servers
- Web Server / RDP / CCTV Access Configuration
- Security Best Practices for Port Forwarding
- VIP Troubleshooting

06 LESSON 06: STATIC ROUTING CONFIGURATION

- Introduction to Routing
- Static Route Concepts
- Default Route Configuration
- Administrative Distance
- Multiple Static Routes
- Route Prioritization
- Gateway Reachability Testing
- Static Route Troubleshooting

07 LESSON 07: DYNAMIC ROUTING PROTOCOLS (BGP & OSPF)

OSPF (OPEN SHORTEST PATH FIRST)

- OSPF Concepts & Architecture
- Area Configuration
- OSPF Neighbor Relationships
- Route Advertisement

BGP (BORDER GATEWAY PROTOCOL)

- Introduction to BGP
- Internal vs External BGP
- BGP Neighbor Configuration
- Route Exchange Concepts
- Routing Policy Control

08 LESSON 08: POLICY-BASED ROUTING (PBR)

- Introduction to Policy-Based Routing
- Static Routing vs PBR
- PBR Traffic Matching Conditions
- Source-Based Routing
- WAN Path Selection
- Load Balancing & Failover Concepts
- PBR Troubleshooting

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MODULE 05: FIREWALL POLICIES & SECURITY PROFILES

08 LESSONS

01 LESSON 01: UNDERSTANDING STATEFUL & STATELESS FIREWALL OPERATIONS

- Introduction to Firewall Processing
- Stateful Firewall Concepts
- Stateless Firewall Concepts
- Session Tracking & Connection Awareness
- Packet Inspection Methods
- Stateful vs Stateless Comparison
- Real-World Firewall Processing Examples
- Best Practices for Security Policy Design

02 LESSON 02: INBOUND & OUTBOUND FIREWALL POLICIES

INBOUND POLICIES

- Understanding Inbound Traffic Flow
- Publishing Internal Services Securely
- Internet-to-LAN Security Rules
- Destination NAT Considerations

OUTBOUND POLICIES

- Understanding Outbound Traffic Flow
- LAN-to-Internet Policy Configuration
- Internet Access Control
- Restricting Unauthorized Applications

FIREWALL POLICY FUNDAMENTALS

- Source, Destination & Service Objects
- Allow, Deny & Schedule Policies
- Policy Order & Rule Matching
- Logging & Monitoring Firewall Traffic

03 LESSON 03: FIREWALL POLICY VS LOCAL POLICY CONFIGURATION

FIREWALL POLICY

- Transit Traffic Policy Configuration
- Security Zone-Based Access
- User & Device-Based Policy Control

LOCAL POLICY

- Administrative Access Restrictions
- GUI, SSH, HTTPS & Ping Access Control
- Trusted Hosts Configuration
- Device Self-Protection Concepts

POLICY COMPARISON

- Firewall Policy vs Local Policy Differences
- Best Practices for Secure Access

04 LESSON 04: FLOW-BASED & PROXY-BASED INSPECTION MODES

FLOW-BASED INSPECTION

- Introduction to Flow-Based Processing
- Fast Packet Inspection
- Performance Advantages
- Real-Time Threat Detection

PROXY-BASED INSPECTION

- Introduction to Proxy-Based Processing
- Deep Packet Inspection
- Full Content Scanning
- Security vs Performance Considerations

COMPARISON

- Flow-Based vs Proxy-Based Inspection
- Recommended Deployment Scenarios

05 LESSON 05: SECURITY PROFILES & THREAT PROTECTION

ANTIVIRUS PROTECTION

- Malware Detection & Prevention
- Signature-Based Scanning
- Quarantine & Threat Handling

WEB FILTERING

- Category-Based URL Filtering
- Website Access Control
- Safe Browsing Policies

DNS FILTERING

- Malicious Domain Protection
- DNS Threat Prevention
- Content Filtering via DNS

APPLICATION CONTROL

- Application Visibility & Monitoring
- Blocking High-Risk Applications
- Bandwidth Usage Control

INTRUSION PREVENTION SYSTEM (IPS)

- Threat Signature Detection
- Vulnerability Protection
- Attack Prevention Mechanisms

FILE FILTERING

- File Type Restrictions
- Upload & Download Control
- Data Leakage Prevention

SSL/SSH INSPECTION

- Encrypted Traffic Inspection
- Deep SSL Inspection Concepts
- Certificate Handling & Best Practices

06 LESSON 06: VIRTUAL LAB – FIREWALL POLICY & SECURITY PROFILE CONFIGURATION SCENARIOS

HANDS-ON VIRTUAL LAB EXERCISES

- **Practical 01:** Basic LAN-to-WAN Policy Configuration
- **Practical 02:** Inbound NAT & Security Policy
- **Practical 03:** Web Filtering & Application Control
- **Practical 04:** IPS & Antivirus Protection
- **Practical 05:** SSL Inspection & Secure Access Testing

07 LESSON 07: REAL FIREWALL HANDS-ON – LIVE SECURITY POLICY CONFIGURATION

PHYSICAL FORTIGATE PRACTICAL

- Accessing Live Physical Firewall
- Real Policy Creation & Modification
- Security Profile Deployment
- Traffic Monitoring & Log Analysis
- Troubleshooting Live Security Rules
- Remote Access Practical Session

08 LESSON 08: DEPLOYMENT-BASED QUIZ & REAL-WORLD SCENARIO ASSESSMENT

- Firewall Deployment Scenarios
- Security Policy Troubleshooting Questions
- Threat Protection Case Studies
- Scenario-Based Practical Assessment
- Real-World Enterprise Security Challenges
- Final Knowledge Validation

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MODULE 06: SD-WAN, VPN & VDOM

11 LESSONS

01 UNDERSTANDING OVERLAY & UNDERLAY NETWORKS

- Introduction to WAN Architecture
- What is Underlay Network?
- What is Overlay Network?
- Traditional WAN vs SD-WAN Architecture
- Tunnel-Based Connectivity Concepts
- WAN Transport Technologies
- Real-World Enterprise WAN Design
- Overlay & Underlay Traffic Flow Analysis

02 MULTI-WAN CONFIGURATION

WAN FAILOVER CONCEPTS

- Primary & Secondary ISP Configuration
- Link Monitoring Methods
- Health Check Mechanisms
- Automatic WAN Failover

LOAD BALANCING CONCEPTS

- Load Sharing Between Multiple ISPs
- Traffic Distribution Methods
- Session Persistence
- Performance Optimization

CONFIGURATION & MONITORING

- Multi-WAN Interface Setup
- WAN Monitoring & Troubleshooting
- Failover Testing & Validation

03 SD-WAN FUNDAMENTALS

SD-WAN BASICS

- Introduction to SD-WAN
- SD-WAN Architecture & Components
- Benefits of SD-WAN in Enterprise Networks

SD-WAN ZONES & RULES

- SD-WAN Zone Configuration
- Traffic Steering Policies
- Source & Destination-Based Rules
- Application-Aware Routing

PERFORMANCE SLAS

- SLA Monitoring Concepts
- Latency, Jitter & Packet Loss Measurement
- Dynamic Path Selection
- Performance-Based Traffic Steering

04 VPN TECHNOLOGIES – IPSEC VPN & SSL VPN CONFIGURATION

IPSEC VPN

- Introduction to Site-to-Site VPN
- Phase 1 & Phase 2 Configuration
- Encryption & Authentication Methods
- Tunnel Monitoring & Troubleshooting

SSL VPN

- Introduction to Remote Access VPN
- Tunnel Mode vs Web Mode
- SSL VPN Portal Configuration
- User Authentication & MFA
- Secure Remote Access Best Practices

05 SD-WAN HUB & SPOKE ARCHITECTURE DESIGN

HUB & SPOKE FUNDAMENTALS

- Enterprise SD-WAN Topology Design
- Central Hub & Branch Connectivity
- Traffic Flow Between Branches
- Redundancy & Failover Design

ENTERPRISE DEPLOYMENT

- Multi-Branch Connectivity
- WAN Optimization Strategies
- Scalability Considerations
- Real-World SD-WAN Deployment Scenarios

06 SD-WAN WITH AUTO-DISCOVERY VPN (ADVPN)

- Introduction to ADVPN
- Dynamic VPN Tunnel Creation
- Hub-to-Spoke & Spoke-to-Spoke Connectivity
- Shortcut Tunnel Establishment
- SD-WAN with ADVPN Integration
- Traffic Optimization
- ADVPN Troubleshooting & Best Practices

07 INTRODUCTION TO VIRTUAL DOMAINS (VDOM)

- What is VDOM?
- Benefits of Network Segmentation
- Multi-Tenant Firewall Concepts
- VDOM Types & Modes
- Administrative Separation
- Resource Allocation & Security Isolation

08 MULTI-VDOM CONFIGURATION & MANAGEMENT

- Creating Multiple VDOMs
- Inter-VDOM Communication
- Interface Assignment
- Routing Between VDOMs
- Administrative Access per VDOM
- Security Policy Management
- VDOM Troubleshooting

09 VIRTUAL LAB – SD-WAN, VPN & VDOM IMPLEMENTATION

10 HANDS-ON PRACTICAL LAB SCENARIOS

- **Practical 01:** Multi-WAN Failover Configuration
- **Practical 02:** WAN Load Balancing
- **Practical 03:** SD-WAN Zone & Rule Configuration
- **Practical 04:** Performance SLA Setup
- **Practical 05:** Site-to-Site IPsec VPN
- **Practical 06:** SSL VPN Deployment
- **Practical 07:** Hub & Spoke SD-WAN Design
- **Practical 08:** ADVPN Configuration
- **Practical 09:** Single VDOM Deployment
- **Practical 10:** Multi-VDOM Configuration

10 REAL FIREWALL HANDS-ON – SD-WAN & VPN LIVE CONFIGURATION

PHYSICAL FORTIGATE PRACTICAL

- Accessing Physical FortiGate Firewall
- Live SD-WAN Configuration
- VPN Tunnel Configuration
- Traffic Steering Validation
- WAN Failover Testing
- VPN Troubleshooting
- Remote Access Practical Session

11 DEPLOYMENT-BASED QUIZ & REAL-WORLD SCENARIO ASSESSMENT

- Enterprise Deployment Scenarios
- SD-WAN Troubleshooting Questions
- VPN Security Case Studies
- Scenario-Based Technical Assessment
- Real-World Enterprise Network Challenges
- Final Knowledge Validation

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MODULE 07: TRAFFIC MONITORING & TROUBLESHOOTING

08 LESSONS

01 LESSON 01: LOG MANAGEMENT & REPORTING OVERVIEW

- Introduction to FortiGate Logging
- Types of Logs (Traffic, Event, Security & System Logs)
- Local Log Storage vs Cloud Logging
- Log Severity Levels & Event Categories
- Log Retention & Storage Best Practices
- FortiAnalyzer Overview
- Log Search, Filtering & Exporting
- Compliance & Audit Logging Concepts

02 LESSON 02: FORWARD TRAFFIC ANALYSIS & MONITORING

- Understanding Forward Traffic Logs
- Traffic Flow Monitoring
- Session Monitoring & Analysis
- Policy Match Verification
- NAT Translation Verification
- Application & User-Based Traffic Visibility
- Real-Time Traffic Monitoring
- Traffic Troubleshooting Techniques

03 LESSON 03: LOCAL TRAFFIC MONITORING & DIAGNOSTICS

- Understanding Local Traffic Logs
- Administrative Access Monitoring
- DNS, DHCP & Management Traffic Analysis
- Interface Status Monitoring
- Connectivity Verification Tools
- Packet Capture & Sniffer Tools
- CLI Diagnostic Commands
- Troubleshooting Local Services

04 LESSON 04: SECURITY EVENTS ANALYSIS & THREAT MONITORING

- Security Event Monitoring
- IPS Event Analysis
- Antivirus Threat Detection Logs
- Web Filtering & DNS Filtering Logs
- SSL Inspection Events
- Attack Pattern Identification
- Threat Intelligence Integration
- Incident Investigation & Response

05 LESSON 05: REPORT GENERATION & ANALYTICS

- Introduction to FortiGate Reports
- Traffic Usage Reports
- Security Threat Reports
- User Activity Monitoring Reports
- Scheduled Report Generation
- Custom Report Configuration
- Data Visualization & Analytics
- Exporting & Sharing Reports

06 LESSON 06: TASK AUTOMATION & TROUBLESHOOTING TECHNIQUES

TASK AUTOMATION

- Introduction to Automation Stitches
- Event-Based Automation
- Automated Alerting & Notifications
- Scheduled Administrative Tasks

TROUBLESHOOTING TECHNIQUES

- Layer-by-Layer Troubleshooting Methodology
- Connectivity Testing Tools
- Policy Verification Process
- Routing Troubleshooting
- VPN Troubleshooting
- Debug Flow Analysis
- Performance Optimization Techniques

07 LESSON 07: VIRTUAL LAB – TRAFFIC MONITORING & TROUBLESHOOTING SCENARIOS

HANDS-ON VIRTUAL LAB EXERCISES (EVE-NG)

- **Practical 01:** Traffic Log Analysis
- **Practical 02:** Security Event Investigation
- **Practical 03:** Forward Traffic Troubleshooting
- **Practical 04:** NAT & Policy Verification
- **Practical 05:** Packet Capture & Sniffer Analysis
- **Practical 06:** VPN Troubleshooting
- **Practical 07:** Debug Flow Commands
- **Practical 08:** Report Generation & Analysis

08 LESSON 08: REAL FIREWALL HANDS-ON – LIVE MONITORING & TROUBLESHOOTING

PHYSICAL FORTIGATE PRACTICAL

- Remote Access to Physical Firewall
- Live Traffic Monitoring
- Security Event Analysis
- Real-Time Log Investigation
- Traffic & Policy Troubleshooting
- VPN & Routing Diagnostics
- Report Generation
- Enterprise Troubleshooting Scenarios

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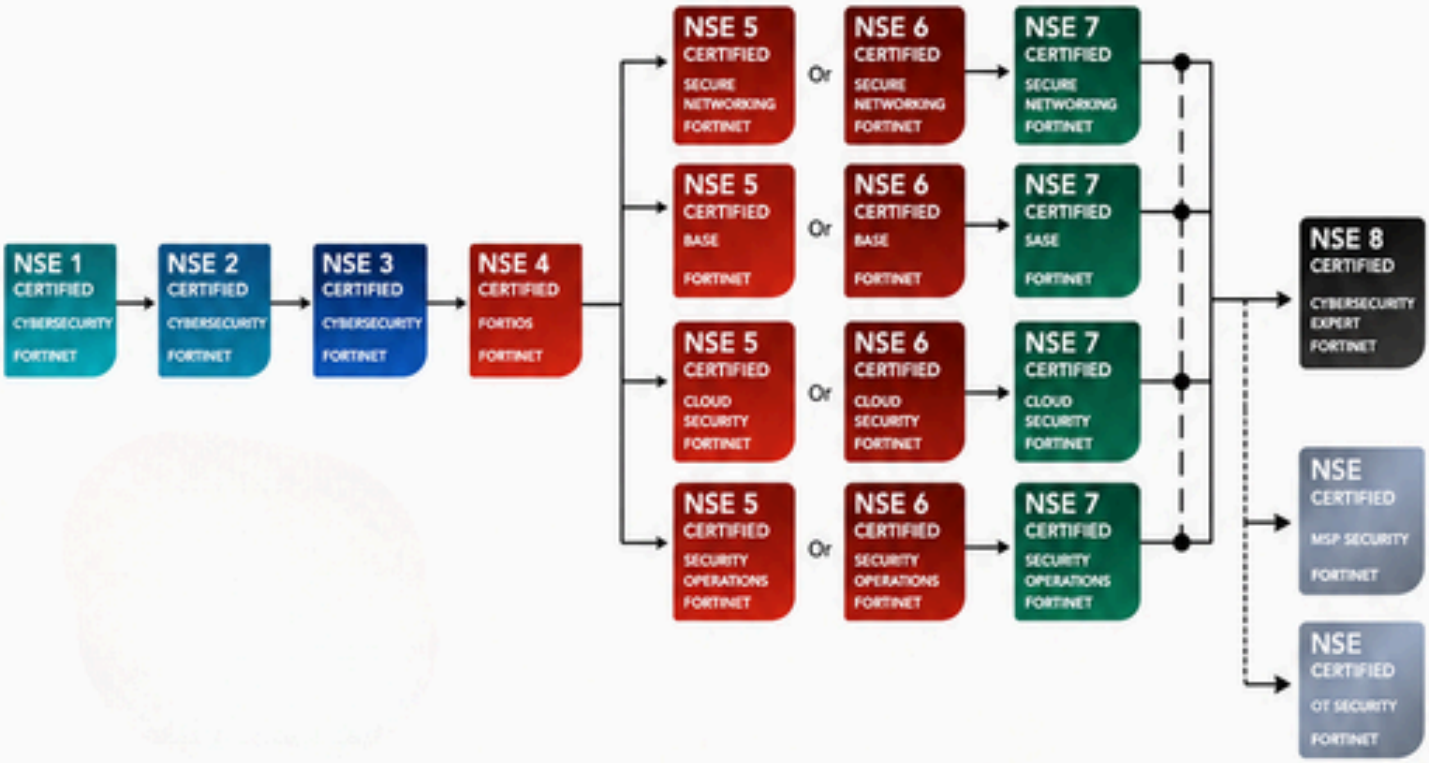
MODULE 08: FORTINET CERTIFICATION EXAM PREPARATION

03 LESSONS

YOUR PATH TO BECOME A FORTINET CERTIFIED PROFESSIONAL

FORTINET CERTIFICATION ROADMAP



01 LESSON 01: FORTINET OFFICIAL CERTIFICATION EXAM OVERVIEW & STUDY GUIDE

(Complete Understanding of Fortinet Certification Path, Exam Structure & Preparation Strategy)

- Complete Understanding of Fortinet Certification Path
- Fortinet Exam Structure & Levels
- Exam Preparation Strategy
- Recommended Study Methods
- Practical vs Theory-Based Preparation
- Real Certification Preparation Guidance
- Time Management for Exam Success
- Certification Readiness Assessment

02 LESSON 02: UNDERSTANDING THE FORTINET CERTIFICATION FRAMEWORK

- Understanding the Fortinet Certified Fundamentals (FCF)
- Understanding the Fortinet Certified Associate (FCA)
- Career-Oriented Certification Roadmap
- Recommended Certification Path for Firewall Engineers
- Industry Career Opportunities
- Certification Planning Strategy
- Real-World Skill Mapping

03 LESSON 03: GUIDE TO OBTAINING FREE FORTINET CERTIFICATIONS

- Accessing Free Fortinet Training
- Self-Paced Learning Platform
- Official Fortinet Training Resources
- Free Certification Opportunities
- Practice Labs & Study Materials
- Exam Readiness Resources
- Community & Documentation Access

CERTIFICATION PREPARATION BENEFITS

- Official Certification Guidance
- Career-Oriented Learning Path
- Exam Preparation Strategy
- Industry Recommended Certification Track
- Free Learning Resources Guidance
- Practical Knowledge for Certification Success

WEB : www.academy.oneaccess.lk
EMAIL : academy@oneaccess.lk
TEL : +94 702122214 | +94 763008308

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FORTINET

MODULE 09: PHYSICAL PRACTICAL WORKSHOP

02 LESSONS

01 LESSON 01: PHYSICAL PRACTICAL SESSION – DAY 01

Hands-on FortiGate Configuration & Real-World Deployment Scenarios

- Physical FortiGate Device Introduction
- Firewall Interface & Port Identification
- Initial Device Setup & Configuration
- WAN & LAN Connectivity Configuration
- VLAN Configuration & Segmentation
- Firewall Policy Creation & Testing
- NAT Configuration (SNAT / DNAT)
- Virtual IP (VIP) Configuration
- DHCP & DNS Configuration
- Security Profile Deployment
- Traffic Monitoring & Log Verification
- Basic VPN Configuration
- Enterprise Deployment Scenario – Branch Office Setup
- Real-Time Troubleshooting & Best Practices

02 LESSON 02: PHYSICAL PRACTICAL SESSION – DAY 02

Advanced Configuration, Troubleshooting & Live Implementation

- Advanced Security Policy Configuration
- SD-WAN Deployment & Traffic Steering
- Multi-WAN Failover Testing
- Site-to-Site IPsec VPN Configuration
- SSL VPN Remote Access Setup
- VDOM & VRF Configuration
- High Availability (HA) Configuration
- Advanced Routing & Policy-Based Routing (PBR)
- Log Analysis & Security Event Monitoring
- Debugging & Packet Flow Troubleshooting
- Performance Optimization Techniques
- Real Enterprise Troubleshooting Scenarios
- Deployment Validation & Best Practices
- Live Q&A & Technical Discussion

PHYSICAL WORKSHOP HIGHLIGHTS

- 100% Hands-on Practical Sessions
- Live Physical FortiGate Firewall Access
- Real Enterprise Deployment Scenarios
- Troubleshooting & Debugging Practice
- Instructor-Guided Configuration
- Industry Best Practices & Live Demonstrations

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CERTIFICATION

RECOGNIZING YOUR ACHIEVEMENT & EXPERTISE

Upon successful participation in the training program, participants will be eligible to receive **two types of certifications:**

01 CERTIFICATE OF PARTICIPATION

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CERTIFICATE OF COMPLETION

We are pleased to award this certificate to

T.D. Hettige

In recognition successfully completed the industry based training program

Fortinet Firewall Administrator

OneAccess Certified Network Security Professional
OCNSP

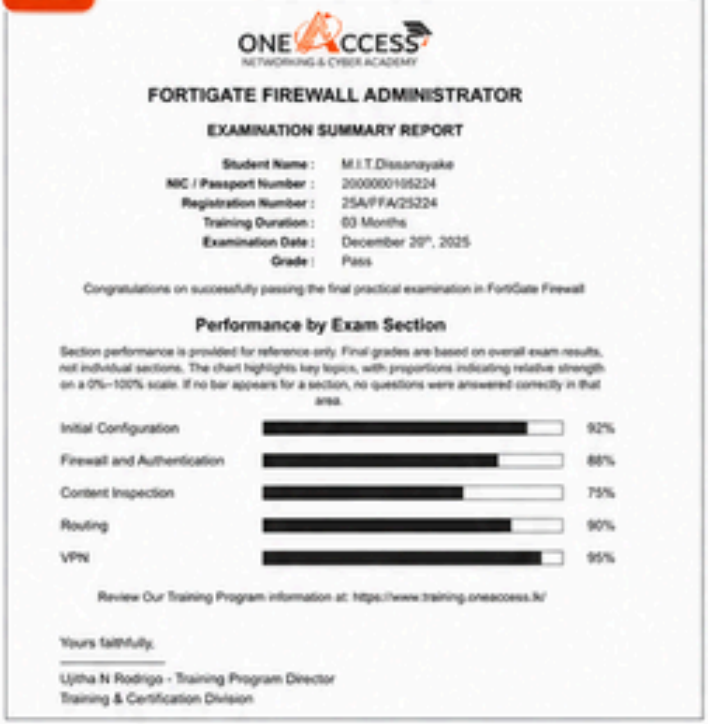
Certificate No - OAT/FFA/000940183995
Date of Certification - December 20th, 2025

Verify this certification's authenticity at:
https://training.oneaccess.lk/admin/tool/certificate/index.php

Ujitha N Rodrigo
Program Director,
OneAccess Training Institute

Awarded to participants who successfully enroll in and attend the training program. This certificate recognizes active participation and commitment throughout the course.

02 FINAL PRACTICAL TECHNICAL CERTIFICATION



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FORTIGATE FIREWALL ADMINISTRATOR

EXAMINATION SUMMARY REPORT

Student Name :	M.I.T.Dissanayake
NIC / Passport Number :	200000105224
Registration Number :	25A/FFA/25224
Training Duration :	03 Months
Examination Date :	December 20th, 2025
Grade :	Pass

Congratulations on successfully passing the final practical examination in FortiGate Firewall

Performance by Exam Section

Section performance is provided for reference only. Final grades are based on overall exam results, not individual sections. The chart highlights key topics, with proportions indicating relative strength on a 0%–100% scale. If no bar appears for a section, no questions were answered correctly in that area.

Initial Configuration	92%
Firewall and Authentication	88%
Content Inspection	75%
Routing	90%
VPN	95%

Review Our Training Program information at: https://www.training.oneaccess.lk/

Yours faithfully,

Ujitha N Rodrigo - Training Program Director
Training & Certification Division

Awarded exclusively to participants who successfully pass the Final Practical Examination. This certification is based on the participant's technical performance, practical implementation skills, troubleshooting ability, and overall competency level demonstrated during the final assessment.

EVALUATION & ASSESSMENT PROCESS

The evaluation process is conducted using a skill-based marking system, ensuring that each participant is assessed according to their practical knowledge and real-world technical capabilities.

Practical Implementation › Configuration Accuracy › Troubleshooting Ability › Security & Best Practices › Overall Technical Competency › Certification Award

WHY THIS CERTIFICATION MATTERS

- Industry Recognized Certification
- Validate Your Technical Skills & Expertise
- Boost Career Opportunities & Professional Growth
- Prove Your Ability in Real-World Enterprise Environments
- Enhance Your Confidence & Credibility

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THANK YOU

Thank You for Your Interest

in Our Training Program

We sincerely appreciate your interest in our **FortiGate Firewall Administrator Training Program.**

At **ONEACCESS Networking & Cyber Academy**, our mission is to provide real-world, hands-on technical training that helps IT professionals, Network Engineers, System Administrators, and Security Professionals develop practical implementation skills and enterprise-level expertise in Fortinet technologies.

We are committed to helping you strengthen your technical capabilities through:

REAL FIREWALL ACCESS

Work with real FortiGate firewall devices and enterprise scenarios.

LIVE INSTRUCTOR SESSIONS

Learn directly from industry-experienced trainers.

ENTERPRISE DEPLOYMENT EXPERIENCE

Gain exposure to real-world deployment and network environments.

HANDS-ON PRACTICAL TRAINING

Build, configure, and troubleshoot with practical labs.

CAREER GROWTH & INDUSTRY READINESS

Enhance your skills and advance your professional career.

We look forward to supporting your professional growth and helping you **advance your career** in networking and cybersecurity.

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NETWORKING & CYBER ACADEMY

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ONE ACCESS
TECHNOLOGIES (PVT) LTD

Empowering IT Professionals
Through Real-World
Technical Training