



Name of Course

Fortigate Firewall (NSE4)

### Outline

- About Fortinet company and products.
- How to build the course lab from scratch step-by-step

#### Hardware Device and ports

- Installation and initial configuration
- System settings (host name, System Time, Password Policy.....)
- Inspection Modes
- NGFW Modes
- Basic configuration
- Managing admin password and profiles
- Reset admin lost password.
- Administrator profiles
- Understand and configure interface types: - Aggregate Interfaces - Redundant interfaces - Redundant interfaces - VLAN interface - Software Switch interface
- Zone configuration
- DHCP service configuration
- DNS services configuration
- Managing objects
- Firewall local database
- Managing guest user
- Captive portal
- Routing
- Static Routing
- Dynamic Routing OSPF, RIP, BGP - Policy routing
- Back up, Restore firewall configuration
- Upgrade, downgrade the firmware
- NAT - Understanding NAT
- Static NAT
- Dynamic NAT - PAT
- Publishing servers
- Access Policy



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- Web Filtering
- SSL decryption and inspection - What is encryption and decryption! - How SSL works ! - Differences between SSL and IPSec ! - How SSL traffic can be decrypted !
- Antivirus
- IPS inspection
- Application Filtering
- DNS Filter
- DoS protection
- Integration with active directory
- Virtual Private Network (VPN)
- What is VPN ! and why used !
- How VPN works in general !
- VPN types !
- Deploying Site to Site VPN !
- Deploying Remote Access VPN !
- Traffic shaping
- Endpoint Control
- DLP (Data Leak Prevention)
- High Availability - A/P (Active/Passive)
- A/A (Active/Active)
- SNMP
- Packet capture
- SDWAN
- Redundant Internet with SD-WAN
- Passive authentication
- Logging and monitoring