

Fortigate Firewall





About Infocampus

15+
Years of
Expertise

5K+
Successful
Graduates

Infocampus is a community of learners, educators, and industry professionals dedicated to creating a supportive and dynamic learning environment. Since 2009, we have specialized in IT and networking courses for both beginners and professionals, bridging the gap between theory and practice. Our mission is to prepare students for the evolving tech industry, making us a trusted choice for career advancement in technology.



Key Features

- Hands on training for real world application
- Highly experienced and skilled faculties

➤ State-of-the-Art Infrastructure

➤ Course completion certificate

➤ Job Assistance

Fortigate Firewall



Dive into the world of network security with Fortinet's comprehensive suite of cybersecurity solutions. In this course, participants will explore Fortinet's advanced firewall technology, effective threat prevention strategies, and robust network access control mechanisms. Key topics include configuring Fortinet firewalls, implementing VPNs for secure remote access for centralized security policy management. Through practical, hands-on exercises, participants will gain valuable experience in detecting and mitigating threats, ensuring network resilience against modern cyber threats. Ideal for network administrators, cybersecurity professionals, and IT managers, this course equips learners with the skills needed to deploy and manage Fortinet's security solutions effectively, safeguarding organizational networks.

Duration

1

MONTHS



FortiGate Firewall Administration (NSE4)

Firewall Basics

- Describe the purpose of a firewall
- Explain Security Domains
- Design secure network using firewalls
- Explain the Firewall types
- Describe packet inspection firewall
- Describe Proxy firewall
- Explain Stateful inspection firewall
- Advantages of a next generation firewall



FortiGate Firewall

- Introduction to FortiGate firewall
- Compare firewall models
- Initial configurations
- Configure management interface of the firewall
- Build a network using FortiGate firewall
- Explain and configure interface types
- Configure OSPF on the firewall
- Configure default routing
- Explain and configure firewall policy
- Explain and configure object types
- Explain and configure NAT options
- Static NAT
- Dynamic NAT
- PAT
- Destination NAT
- Configure central SNAT

- Explain and configure URL filtering options
- Explain and configure security zones
- Explain and configure sub-interfaces
- Explain and configure virtual wire pair
- Explain and configure Policy Routing
- Explain and demonstrate the difference between Profile based mode and policy-based mode
- Difference between Firewall policy and Security policy
- Explain security fabric
- Explain denial of service attack
- Configure DOS policy
- Firewall authentication rules
- User scheduling
- Traffic shaping policy
- Configure backup and restore configurations
- Configure and modify system admin accounts
- Introduction to virtual domains (VDOMS)
- Explain Split-task VDOM mode and Multiple VDOM mode
- Configure Split-Task VDOM on the firewall
- Explain FSSO deployment and configuration
- LDAP and Active directory integration
- Configure packet capture on the firewall
- Explain feature visibility on the firewall
- Explain flow-based inspection and proxy-based inspection
- Configure DHCP on FortiGate

Security Profiles

- Antivirus
- DNS filter
- Application control
- IPS

VPN Options on FortiGate

- Explain VPN types and usage
- Explain tunnelling protocols
- Explain IPSec VPN concept
- Explain Authentication concepts, pre shared key vs digital certificate
- Explain Encryption concepts and algorithms
- Explain Hashing concept and algorithms
- Configure IPSec site to site VPN
- Explain Public key infrastructure and certificate authority
- Introduction to SSL/TLS VPN
- Explain SSL/TLS handshake
- Explain Tunnel mode and web access mode
- Configure SSL Remote access VPN



VPN Options on FortiGate

- Explain and configure Active/ Standby HA
- Explain and Configure Active/ Active HA

SD WAN on FortiGate

- IExplain Software Defined Networking
- Application Programming Interface
- Control plane and data plane
- Traditional network vs Software defined network
- Overlay and underlay networks
- SD Access vs SD WAN
- Explain SD WAN Interfaces
- Explain SD WAN Rules
- Configure SD-WAN to load balance traffic between multiple WAN links effectively



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