



FortiGate Firewall

Firewall Overview

- Basis of firewall
- Basis of Security
- Types of Firewall

Initial LAB Setup

- Initial Working LAB
- General Overview of FortiGate Firewall
- DashBoard Overview

Interfaces & Policy Introduction

- Interface LAB
- VLAN LAB
- Zone LAB
- Redundant Interface LAB
- Aggregate Interface LAB
- Software Switch LAB
- Virtual Vire LAB
- Captive Portals

Administrative Access

- HTTPS, HTTP
- SSH, TELNET, FMG

DNS Server

- DNS Server LAB

NAT

- Nat LAB
- Source Interface Overload NAT LAB
- One to One NAT LAB
- Fixed Port Range NAT LAB
- SNAT LAB
- DNAT LAB
- VIP (Virtual IP) LAB

Introduction of Routing in Firewall

- Static & Default Routing LAB
- Policy Routing & LAB
- ECMP LAB
- RIP LAB
- OSPF LAB
- BGP LAB

Security Profile

- SSL Inspection & LAB
- Install Certificate in Client PC
- Antivirus Profile & LAB
- Web Filter Profile & LAB
- Web Rating override
- Web Profile override
- Web Filter tab
- DNS Filter

Firewall Policy & Objects

- Mac LAB
- Local User LAB
- Create User & Group

DHCP

- DHCP Server LAB
- DHCP Relay LAB





FortiGate Firewall

IP SEC and SSL VPN

- IP Sec Protocols ESP AH
- Internet Key Exchange
- SSL and TLS
- VPN
- VPN Concepts
- Route and Policy UPN
- Site to Site VPN LAB
- Site to Site Policy Based -VPN
- Remote Access SSL-VPN
- SSL-VPN SPLIT Tunnel
- SSL-VPN FULL Tunnel
- Remote Access IP SEC -Tunnel-VPN

Cryptography Concepts

- Hash
- Symmetric and Asymmetric Encryption

VDOMS

- LAB

Troubleshooting Methodologies

- Packet Sniffing
- Packet Capture
- Active Directory Overview
- Overview NTP Server
- CA Server Overview
- Application Control
- IDS and IPS
- File Filter Profile
- IPv4 DOS Policy
- Administrators
- Backup and Restore

TRAFFIC-SHAPING (QOS)

- LAB

HA [High-Availability]

- Active-Passive LAB
- Active-Active LAB

SD-WAN

- SD-WAN LAB

