FortiGate Configuration Documentation – Basic Configuration & Security Profiles

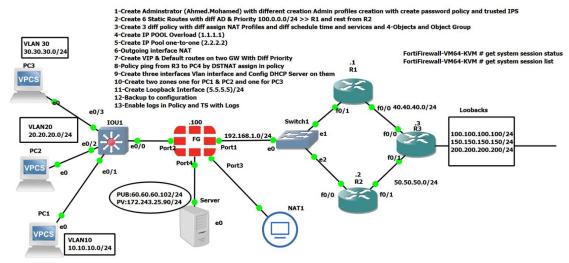
Lab Title: FortiGate Advanced Policy and Security Feature Configuration

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Objective:

To configure FortiGate firewall with advanced routing, NAT, security policies, and monitoring controls based on two task scenarios.

Part A: Topology-Based Configuration



1. Administrator Configuration:

- Admin user: Ahmed. Mohamed

- Profiles: Created with password policies and trusted IPs

2. Static Routing:

- Six static routes with different AD and priorities.

3. Firewall Policies:

- Three policies with different schedules and NAT profiles.

4. IP Pools:

- Overload NAT Pool: 1.1.1.1
- One-to-One NAT Pool: 2.2.2.2

5. Outgoing Interface NAT:

- Applied on WAN interface.

6. VIP & Default Gateway:

- Configured VIPs with different route priorities.

7. Policy-Based Routing:

- PBR configured for ping traffic.

8. VLANs & DHCP:

- VLAN 10, 20, 30 with DHCP.
- PC1, PC2, PC3 assigned accordingly.

9. Zones:

- Zone A (PC1 & PC2), Zone B (PC3).

10. Loopback Interface:

- IP: 5.5.5/24.

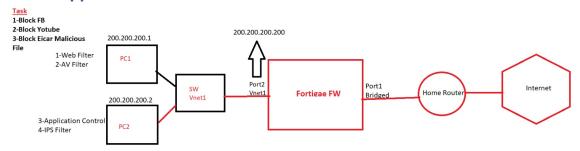
11. Configuration Backup:

- Saved as Lab1 Final.conf.

12. Logging:

- Enabled on all policies.

Part B: Application Control and UTM Policies



1. Application Control:

- Facebook blocked and verified via logs.

2. Web Filtering:

- Facebook and EICAR test file blocked.

3. Antivirus:

- Configured but not functional (license missing).

4. IPS:

- Configured but not functional (license missing).

**Note:

The pdf attached to this documentation has screens for this task includes the security policies and their effects on the users

Conclusion:

Lab demonstrates implementation of NAT, routing, VLANs, and UTM policies.