

Day 31

Topic: Firewall & WAF

Objective: To configure network firewalls and Web Application Firewalls (WAF) to block attacks.

Theoretical Concepts:

We discussed Packet Filtering Firewalls vs. Stateful Firewalls. We also covered WAFs, which operate at Layer 7 to block SQLi and XSS.

Practical Work:

We configured the Windows Firewall to block specific ports. On Linux, we used **iptables** to drop all incoming traffic from a specific IP address. Command: *iptables -A INPUT -s [IP] -j DROP*. We also tested a basic WAF rule by trying to execute a SQL injection and observing the block page.

Tools Used: Windows Firewall, iptables.

Outcome: Competence in configuring rules to allow or deny network traffic.