

## Web Application Firewall (WAF) – Hands-On Learning | TryHackMe

Excited to share that I've completed a TryHackMe lab focused on Web Application Firewalls (WAF)

A Web Application Firewall (WAF) is a critical security layer that protects web applications by monitoring, filtering, and blocking malicious HTTP/HTTPS traffic. It acts as a shield between users and web apps, defending against common web-based attacks.

### Key Concepts I Explored:-

- What a WAF is and how it works
- How WAFs detect and block attacks using:
  - Signature-based rules
  - Behavioral analysis
  - Anomaly detection
- Understanding false positives & false negatives
- How attackers attempt to bypass WAF protections

### Hands-On Skills Gained:-

- Analyzing blocked requests and WAF responses
- Testing payloads for SQL Injection & XSS
- Learning how improper WAF rules can be bypassed
- Gaining a defender's mindset while thinking like an attacker

### Why This Matters:-

WAFs play a crucial role in real-world web security, especially in defending applications against OWASP Top 10 attacks. This lab helped me understand how attackers adapt and why defense-in-depth is essential.



You did it! 🇺🇸 WAF: Introduction complete!

Points earned

🔥 112

Completed tasks

📋 8

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🔥 1

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