



**OWASP  
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**SPEAKER**



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# Why do we need a WAF?

- Protection Against Web Attacks
- Compliance with Security Standards
- Real-time Traffic Monitoring
- Zero-day Threat Mitigation



# Unifying Web and Network Defense: Mastering WAF Deployment

My Mehdi Semmar



# Agenda

1. What is a WAF ?
2. WAF Deployment Basics
3. WAF Simple Deployment Use-Case
4. Demo: Basic WAF deployment for a web application



# What is a WAF ?

- Application Layer (Layer 7) Protection
- DDoS Mitigation & Bot Protection
- Real-Time Traffic Monitoring & Logging
- SSL/TLS Offloading
- API Security
- Load Balancing and Traffic Distribution





# WAF Deployment Basics

## Physical Deployment Modes

- Inline Mode
- One-Arm Mode



# WAF Deployment Basics

## Operation Modes

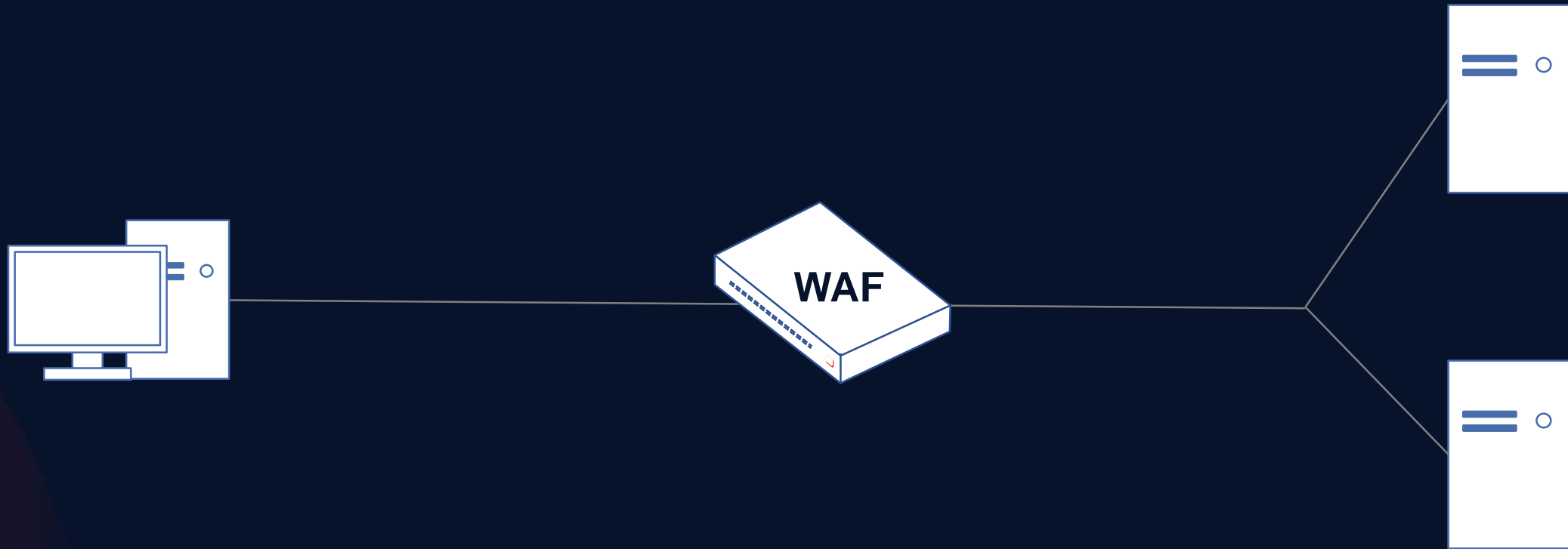
- Reverse-Proxy Mode
- Offline Mode
- Transparent Mode





# WAF Simple Deployment Use-Case

Most Common/Secure Deployment: Inline Reverse-Proxy

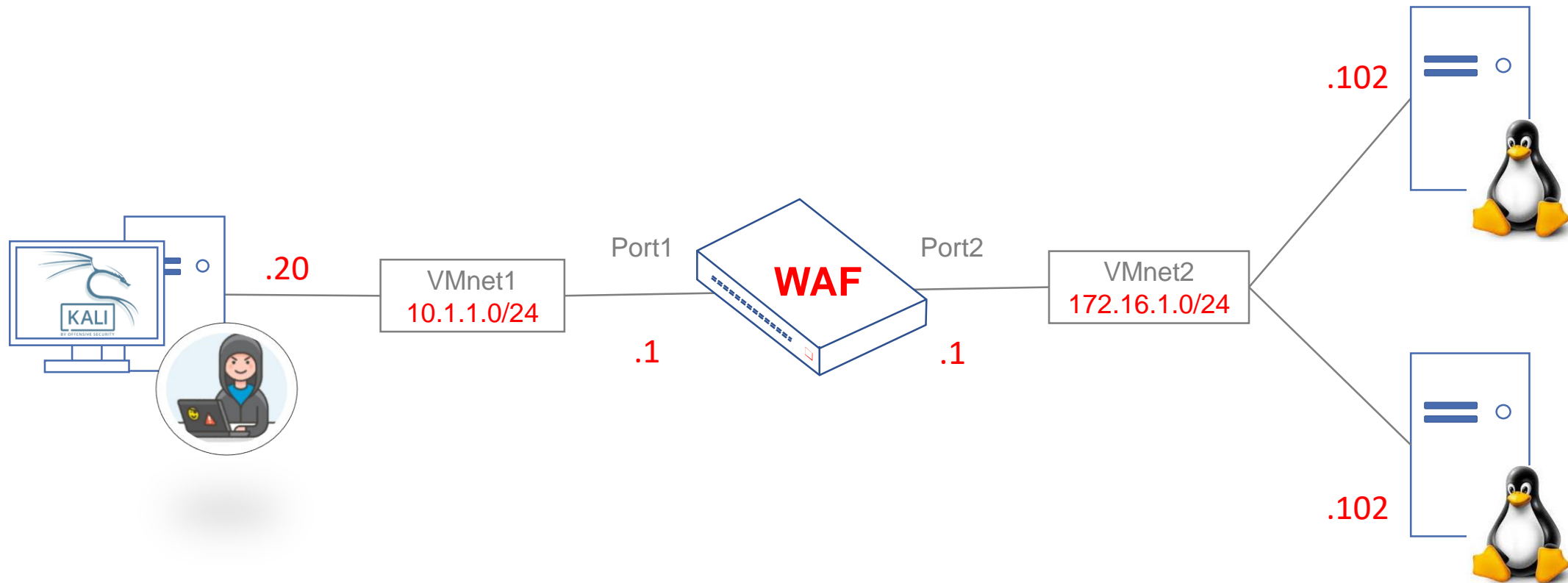


# Demo:

## Basic WAF deployment for a web application

1. Deploying a new WAF
2. Configuring a WAF Policy [VS, Real-Servers Pool, Web Protection]
3. Test







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