How to Become a Pentester?

Career Secret Roadmap

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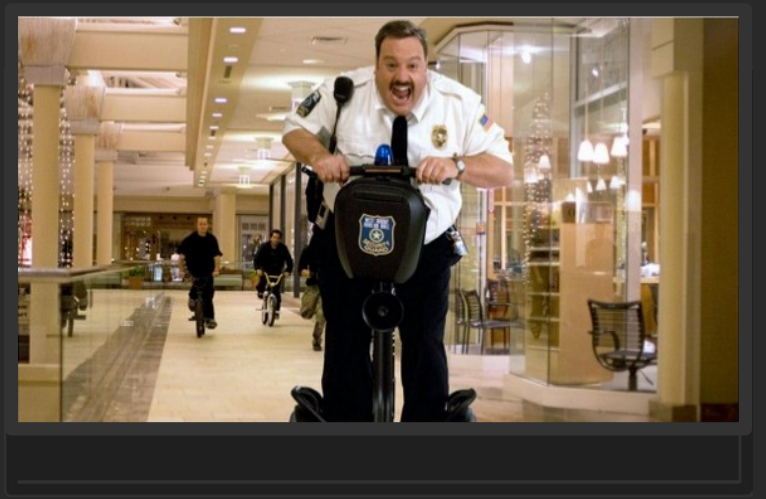

- 13+ Years of IT & Infosec Experience.
- Cybersecurity Director & Trainer.
- ex-OWASP Amman Chapter Leader.
- Youtuber & Blogger.
- CEH, CHFI, ECSA, LPT master, OSCP, CRTP, eCPPT, eCPTX, eWPT, eWPTX, eMAPT, eCIR, eCTHP, eCMAP, eCDFP, & ISO 27001 LI.
- Top Arab Cybersecurity Social Media Influencer (2019, 2020, 2021, 2022, & 2023).

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Pen-testing vs Red-teaming

- **Pen testing** is a security exercise where a Cybersecurity expert attempts to find and exploit vulnerabilities in a defined scope.
- **Red teaming** is a multi-layered, full scope cyber-attack simulation schemed to test the effectiveness of enterprise security controls. The process encloses networks, applications, physical safeguards, and employees.

Penetration Test		Red Teaming
Gain oversight of vulnerabilities	**Goal**	Test the resilience against realistic attacks
Predefined subset	**Scope**	Realistic access paths
Focus on preventive controls	**Tested controls**	Focus on detection and response
Focus on efficiency	**Test method**	Focus on realistic simulation
Mapping, scanning and exploiting	**Test techniques**	Tactics, Techniques and Procedures (TTPs)
Very limited	**Post-exploitation**	Extensive focus on critical assets/functions
Parts of development lifecycle	**Recurrence**	Periodical exercise

The Road-map : Prerequisites

IT Fundamentals

Windows

Linux

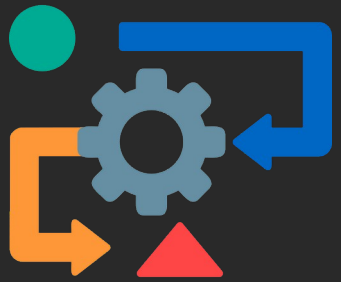
Networking

Scripting

Database

Cybersecurity

The Road-map : Main Skills



Pen-testing Methodologies & Frameworks

Building Home lab

Pen-testing Stages

Play CTFs

Bug Hunting Platforms

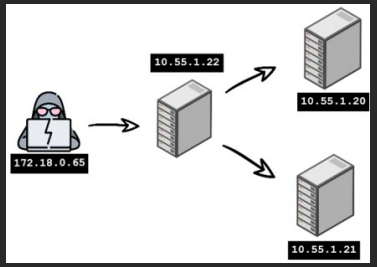
The Road-map : Advanced Skills

AV/EDR Bypass Techniques

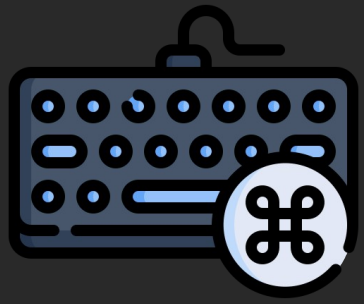
Active Directory Pen-testing

MITRE ATT&CK™

Red-teaming TTPs



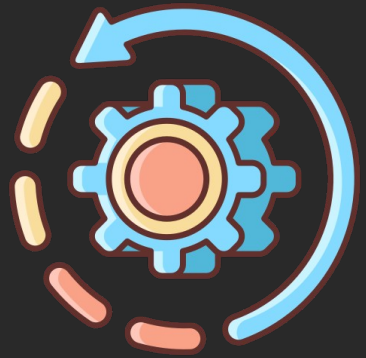
Port Forwarding & Pivoting



C2 Frameworks

Phishing

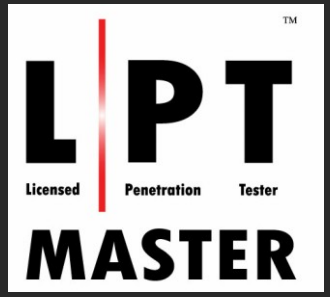
Blue-team/SOC Mindset



Reverse Engineering

Exploit Development

The Road-map : Certificates



Golden Rule

“The best way to learn new things in your field is to teach them to others”

Learning Resources

CYBRARY.IT

www.Free4arab.com

Any Questions, Comments or Concerns?

Thank you!

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