

Ethical Hacking

Prerequisite(Networking)

Duration(60 Days)

MODULE:1 Intro

- 1.0 Introduction to Ethical Hacking
- 2.0 windows and Linux Intro
- 3.0 Kali linux (Usages)
- 4.0 WEB/DEEP WEB/DARK WEB

MODULE:2 Footprinting

- 1.0 Information Intelligence.
- 2.0 Organize Your Information
- 3.0 Google/Bing Hacking.
- 4.0 Whois Lookup.
- 5.0 OS Info Hunting.
- 6.0 Uptime Info Hunting.

MODULE:3 Scanning

- 1.0 Web Server Info Hunting.
- 2.0 Traceroute Target IP Address.
- 3.0 TCP Port Scanning.
- 4.0 TCP SYN Port Scanning.
- 5.0 TCP ACK Firewall Scanning.
- 6.0 Finding Live Hosts.
- 7.0 UDP Sweeping And Probing.

MODULE:4 System HACKING

- 1.0 Linux Hacking and Securing
- 2.0 Windows Hacking and Securing

MODULE:5 Hacking Wireless Network.

- 1.0 Attacking WEP Protected 802.11 Networks.
- 2.0 Attacking WPA/WPA2 Protected 802.11 Networks.

MODULE:6 Enumeration

- 1.0 Enumerating Username Groups and Passwords.
- 2.0 Hunting And Profiling People.
- 3.0 Gathering Email Accounts Sub domains/host.
- 4.0 Database Enumerating.
- 5.0 MySQL Server Enumerating.
- 6.0 DNS Enumeration.

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MODULE:7 Dos and DDos

- 1.0 Dos and DDos**
- 2.0 Dos and DDos tools and commands**
- 2.0 Botnet**

MODULE:8 Cryptography

- 1.0 Cryptography attacks**
- 2.0 Password Attacks**
- 3.0 Hashing**
- 4.0 steganography**

MODULE:9 Social Engineering.

- 1.0 Phishing**
- 2.0 Advanced Social Engineering Attacks**
- 3.0 SMS Spoofing**
- 4.0 Email Spoofing**
- 5.0 Countermeasures**

MODULE:10 Sniffing and Spoofing

- 1.0 What is a CAM Table**
- 2.0 Sniffing Network Passwords**
- 3.0 Sniffing HTTP Passwords**
- 4.0 Sniffing Ftp And Telnet Passwords.**
- 5.0 Active sniffing**
- 6.0 Passive Sniffing**
- 7.0 Sniffing Cookies**
- 8 Man In The Middle Attack.**

MODULE:11 Hacking web server.

- 1.0 Attacking Apache Web Server.**
- 2.0 Attacking IIS Web Server.**
- 3.0 Advanced Stateful Packet Inspection Firewall Evasion And Bypassing.**
- 4.0 Advanced Antivirus Detection Evasion And Bypassing.**
- 5.0 Advanced Firewall Outbound/Inbound Rules Evasion And Bypassing.**
- 6.0 Advanced Windows User Access Control (UAC) Evasion And Bypassing.**

MODULE:12 Hacking Mobile Platform

- 1.0 what is mobile.**
- 2.0 how it works.**
- 3.0 Mobile hacking.**
- 4.0 Advanced Mobile Hacking Tactics.**



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MODULE:13 Firewall,IDS,IPS AND HONEYPOT

- 1.0 What is Ids.
- 2.0 Ids types
- 3.0 what is IPS
- 4.0 whats is honeypot and honeynet
- 5.0 Firewall
- 6.0 Hardware And Software Firewall
- 7.0 VPN

MODULE:14 Hacking web Application

- 1.0 Advanced Web Application Fingerprinting.
- 2.0 Advanced Web Application Firewall Fingerprinting.
- 3.0 Parameter and Form Tampering.

MODULE:15 SQL Injection.

- 1.0 what is sql.
- 2.0 SQL Injection Attacks.

MODULE:16 Session Hijacking And Web Sites Hacking

- 1.0 Cross Site Scripting attacks(XSS).
- 2.0 Advanced Cross Site Scripting attacks.
- 3.0 File Handling Attacks
- 4.0 Advanced File Handling Attacks.
- 5.0 From File Upload To Reverse Shell.
- 6.0 From Remote File Inclusion To Reverse Shell.
- 7.0 From Local File Inclusion To Reverse Shell.
- 8.0 Advanced CSRF Attacks.
- 9.0 Advanced System Command Injection Attack.

MODULE:17 Malwares

- 1.0 Writing Trojan for Windows.
- 2.0 What is a Botnet and Attacks.
- 3.0 Mobile Malware
- 4.0 Mobile Anti-Malware
- 5.0 Virus and Worms
- 6.0 Anti-Worm.
- 7.0 Anti-Virus.
- 8.0 Anti-Rootkit.
- 9.0 Malwares Countermeasures

MODULE:18 Cloud Computing

- 1.0 what is cloud.
- 2.0 what is types and use.
- 3.0 cloud for hackers



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MODULE:19 IOT Hacking

1.0 Building Hacking Platform Using Raspberry-Pi.

2.0 Banana-pi.

3.0 Bug-bounty Program.



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