HIFI11 Academy

Ethical Hacking & Cyber Security Master Course

Professional Course Syllabus

Module 1 – Course Introduction & Lab Setup

1. Course Introduction
2. Ethical Hacking Process
3. Lab Environment Setup
4. Linux Commands – Part 1
5. Linux Commands – Part 2
6. Linux Commands – Part 3

Module 2 – Networking Fundamentals

1. What is an IP Address?
2. Public IP vs Private IP
3. Internet Working Methodology
4. Web Servers Practical
5. Information Gathering & Reconnaissance

Module 3 – Footprinting & Enumeration

1. Website Information Gathering
2. Tutorial Part 1
3. Tutorial Part 2
4. Understanding Ports
5. Understanding Services
6. Ethical Hacking Methodology
7. Android Enumeration

Module 4 – Practical Services & Exploitation

1. Android Exploitation Basics
2. Lab Exercises
3. Configure Connections
4. File Sharing Resources
5. SSH Practical

6. FTP Practical
7. SMB Practical
8. SMB Installation

Module 5 – Enumeration & Privilege Escalation

1. RDP Installation
2. Machine Enumeration Part 1
3. Machine Enumeration Part 2
4. Privilege Escalation
5. Directory Enumeration
6. HTTP vs HTTPS

Module 6 – Web & Network Concepts

1. Finding Hidden Directories
2. IP Spoofing
3. MAC Address Fundamentals
4. Changing MAC Address
5. MAC Spoofing

Module 7 – Cryptography

1. Creating Wordlists
2. Hash Fundamentals
3. Password Encryption
4. MD5
5. SHA-1
6. Password Hash Cracking

Module 8 – Social Engineering & Cloud

1. Social Engineering
2. Phishing Concepts
3. IP Logger
4. Cloud Computing
5. Purpose of Cloud
6. AWS Basics

Module 9 – OSINT & Maltego

1. Google Dorking

2. Maltego Installation
3. Maltego Practical
4. Finding Person Information
5. Instagram OSINT
6. Phone Number Intelligence Gathering

Module 10 – Course Completion

1. Final Practical
2. Course Wrap-up

Course Highlights

• Linux Fundamentals
• Networking
• Information Gathering
• Enumeration
• Web Security
• SSH / FTP / SMB
• Privilege Escalation Concepts
• Cryptography
• Password Security
• OSINT
• Maltego
• Google Dorking
• Cloud Basics
• Hands-on Labs
• Beginner to Advanced

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Android Phone Hacking Master Course

Professional Course Syllabus

Module 1 – Introduction & Lab Setup

1. Introduction to Android Security
2. Android Lab Environment Setup
3. Introduction to Metasploit Framework
4. Prerequisites & Required Software
5. Creating Your First Android Payload
6. Android Exploitation Basics
7. Metasploit Commands & Remote Access

Module 2 – Networking & Port Forwarding

1. IP Address & Network Fundamentals
2. Introduction to Ngrok
3. Port Forwarding Concepts
4. Ngrok Limitations & Security Considerations
5. Configuring PortMap
6. Static Port Forwarding
7. Project Introduction

Module 3 – APK Analysis & Payload Development

1. Payload Injection Process
2. APK Reverse Engineering
3. Understanding Smali Code
4. Hooking Payload into Original APK
5. Android Permissions
6. APK Signing Basics
7. Payload Signing
8. Creating Custom Payload APK
9. Bypassing Protection in Secured Apps (Educational Demonstration)
10. Working with Payloads & Protected Applications

Module 4 – Android Debug Bridge (ADB)

1. Introduction to Android Debug Bridge (ADB)
2. Configuring ADB Devices
3. Exploring ADB & Ghost Framework
4. ADB over WAN using PhoneSploit
5. Metasploit Automation
6. Evil-Droid Overview
7. GUI Kage Payload Generator

Module 5 – Advanced Android Security Concepts

1. Introduction to Remote Access Tools (RAT)
2. Android Security Lab Setup
3. Trojan Concepts & Awareness
4. Creating Trojan Payloads (Educational Lab)
5. SpyNote & Ngrok Port Forwarding
6. Resolving JDK Installation Errors
7. GUI APKTool Usage
8. Managing Phone Notifications
9. NOX Emulator Setup & Root Access

Module 6 – Practical Demonstrations

1. Practical Demonstration – Android Access
2. Practical Demonstration – WhatsApp Clone Payload
3. Practical Demonstration – MAC Spoofing Concepts
4. Course Summary & Final Notes
5. SMS Spoofing (Concept & Awareness)

Course Highlights

• Android Security Fundamentals
• Metasploit Framework
• Android Payload Development
• APK Reverse Engineering
• Smali Code Basics
• Android Debug Bridge (ADB)
• PhoneSploit
• Ghost Framework
• Evil-Droid

- GUI Kage Payload Generator
- GUI APKTool
- Port Forwarding
- Ngrok & PortMap
- NOX Emulator
- Practical Lab Demonstrations
- Beginner to Advanced