At EDUCBA, it is a matter of pride to us to make job oriented hands on courses available to anyone, any time and anywhere.

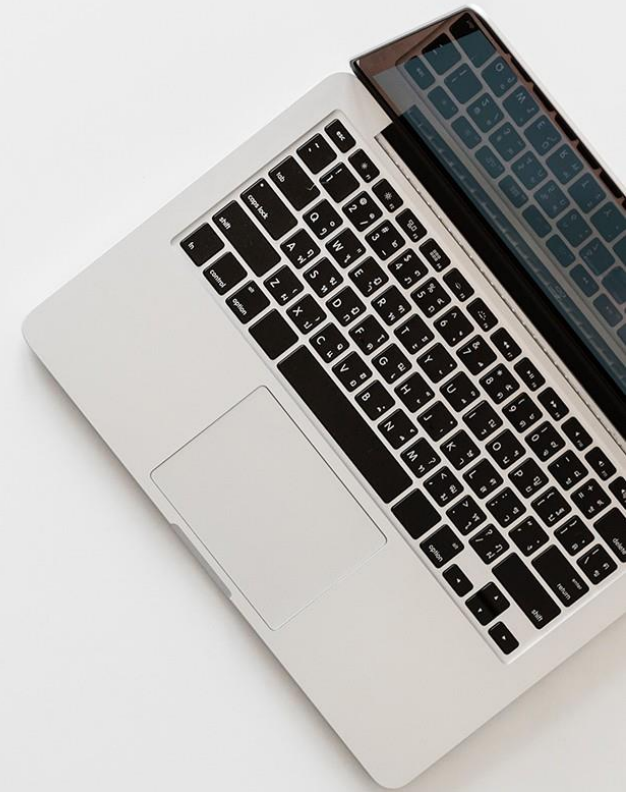Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

# EDUCBA

# Ethical Hacking Course

Email Contact: info@educba.com

www.educba.com

# Course Overview

In this Course you get to learn:

You get to learn how to become a successful ethical hacker and penetration tester to test and capture the vulnerabilities on the network and provided area.

Ethical hacking is done in favor of the system with all due consent of the system's owner

# Ethical Hacking Skills

We learn the following skills:

This ethical hacking course learning all the aspects of hacking from scratch to advance level.

The entire course comprises of video tutorials where you will actually see the practical implementation of all the methods to hack several targets.

You will learn all cyber security jargon's. Later on, you will see how those jargon's really work. You will be taught more than one method to hack .

# Course Features

Course Duration- 57+ Hours

9    Number of Courses

Verifiable Certificates

Lifetime Access

Technical Excellence

## About Ethical Hacking Course

Ethical hacking is nothing but just a way to hack with the target owner's consent. Sometimes it is also called penetration testing. It is done to get real exposure to where the system is vulnerable or prone to get compromised.

Ethical hacking is mainly done to generate a report of all the existing vulnerabilities so that those can be repaired to protect it from malicious users or hackers.

## Ethical Hacking Course

This is a Bundle Course that includes complete in-depth Ethical Hacking Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Ethical Hacking professional.

# 1 Ethical Hacking Course V9

## Section 1. Introduction

- Introduction to Certified Ethical Hacker V9
- How Ethical Hackers Terms Work

## Section 3. Scanning Network and Enumeration

- Network Scanning
- Nmap TCP Connect Scan
- Nmap Stealth Scan
- Nmap Service and OS Detection
- Nmap Timing Options
- Nmap Scripting Engine

## Section 5. Bypassing Linux Passwords

- Bypassing Windows Passwords

## Section2. Foot Printing and Recon

- Foot Printing
- DNS Lookup
- More on DNS Lookup
- Banner Grabbing
- Google Hacking
- Social Engineering

## Section 4. System Hacking

- Vulnerability Assessment
- Pen Testing
- Netcat Hacks
- SMTP Hacks
- DNS Poisoning
- Hacking Passwords

## Section 6. Bypassing Linux Passwords

- Introduction of Nessus
- Nessus Setup
- Nessus Scanning
- FG Dump
- Mimikatz

# 1 Ethical Hacking Course V9

## Section 7. Metasploit

- Pentest Box and Metasploit
- Setoolkit Phishing
- Setoolkit Payload and Listener
- Msf Venom Payloads
- Msf Venom Payloads
- Metasploit Resource Scripts
- Privilege Escalation
- Exploiting Passwords
- Metasploit
- Setoolkit Sandwich
- Metasploit Bind Shells
- More on Metasploit Bind Shells

## Section 8. Web Application Pentesting

- SQL Injection
- SQL Injection Continues
- Broken Authentication
- Session Management
- Other Multiple Vulnerabilities

## Section 9. Cloud Security

- What is Cloud Computing
- Characteristics of Cloud Computing
- Cloud Security Recommendation

# 2 Testing:01
# The Fundamentals

## Section 1. What is Ethical hacking and Penetration testing

- Introduction

## Section 2. Installation and Configuration

- Kali Linux
- Operating systems
- Installing Operating Systems
- Installing vmware tools
- Configuring Kali Linux
- Installing Kali Linux on MacBook

## Section 3. Footprinting and Reconnaisance

- What is Footprinting
- Footprinting Objectives
- Footprinting Tools
- Google Hacking
- WhOIS lookup

## Section 4. Phishing Attacks

- DNS footprinting
- Determining Operation System
- Phishing Attacks
- Connecting information database
- Nmap and ZenMap

# 3 Social Engineering and Trojans

## Section 1. Social Engineering and information Gathering

- Nmap and ZenMap further continued
- The Harvester
- WHOIS and dnsenum
- Dnsrecon
- Dnsmapping

## Section 2. Social Engineering and information Gathering

- Introduction
- Types of Social Engineering
- Social Engineering attacks
- Spear-phishing Attack
- Phishing Attack
- Mass mailer Attack

## Section 3. Trojans and Backdoors

- Types of Computer Malwares
- Dangerous viruses of all time
- Installing Rootkit Hunter
- command prompt backdoor
- Backdoor & Gaining Access
- Backdoor & Maintaining Access

# 4 Ethical Meterpreter, DNS and ICMP

## Section 1. Meterpreter Commands

- Command prompt backdoor
- Meterpreter Backdoor
- I am Root
- Forensic escaping
- Hacking win7 SAM database
- Jack the ripper
- Meterpreter commands

## Section 2. DNS Spoofing

- PDF embedded Trojan Horse
- Java Applet Attack Method
- MITM Attack
- ARP Poisoning
- DNS spoofing vs DNS poisoning
- DNS spoofing
- DHCP Spoofing
- Port Stealing

## Section 3 . ICMP Redirection

- ICMP redirection
- Killing a Network
- Ddosing unauthorised Network
- Driftnet
- EvilGrade

## Section 4. Denial of Service Attack

- Introduction to DoS
- DoS vs DDoS
- Levels of Ddos Attacks
- Preventing DDoS Attacks
- DDoSing Windows 7 method

# 5 Hacking

## Section 1. Hacking Android

- Hacking through Android
- Hacking Android via Kali Linux

## Section 2. Password Cracking

- Introduction to Password Cracking
- Password cracking Strategy
- Windows Password cracking
- Linux Hash Cracking
- Generating wordlist
- CeWL cracking

## Section 3. Wireless Hacking

- WEP and WPA
- WPA2
- 1X standard
- Wireless cracking via Kali

## Section 4 . Meterpreter

- Activating payloads

# 6 Metasploit, SQL Injection and Cryptography

## Section 1. Metasploit

- Msfconsole explained
- Msfconsole commands
- Exploits
- Payloads
- Generating payloads

## Section 2. SQL injection

- Intro to SQL injection
- SQL injection to google dorks
- SQL mapping via Kali Linux
- Gathering Password and cracking the hash

## Section 3. Cryptography

- Introduction
- Hash Func and Oracle Method
- Birthday Theorem and Digital Signature
- Pros and Cons of Cryptography

## Section 4. Metasploit Database

- Importing Databases
- Exporting Databases

# 7 Advanced Penetration Testing

## Section 1. Introduction

- Introduction to Pentesting

## Section 2. NMAP

- Creating a Virtual Pentesting Lab
- Nmap Scanning
- Advanced Scanning
- Nmap Zombie Scan
- Nmap Timing Options
- Nmap Pre-Existing Scripts
- Simple Nmap Scripts

## Section 3. Python Port Scanner

- Python Port Scanner
- More on Post Scanner
- SMTP Mail Server
- Samba Exploit
- NFS Exploit
- Grey Box and White Box
- The Malware
- Social Engineering

## Section 4 . Android Exploitation

- Android Exploitation

## Section 5 . Hashdump

- Hashdump and Password Phishing
- Automated Handler with Resource

# 8 Advanced Penetration Testing

## Section 1. Web Attacks

- Knoppix Live
- Termineter tool for hacking smart meters
- Bitcoin mining and Password Cracking with PIMP distro
- Browser Exploitation Framework(BeEF)
- Packeting Sniffing via Ettercap
- Session Hijacking via Hamster and Ferret
- Driftnet and Multiple Attacks
- Resource Gathering and other

## Section 2. Cracking Windows

- Gaining System 32 Access and cracking SAM password remotely
- Advanced Remote hacking with System roles and Admin Access
- Ophcrack with Kali Live and Konboot
- Cracking Windows hash with Ophcrack

## Section 3. Hacking Computers

- Remote hacking with Trojans
- Further Continuation of Bypassing Windows 7_8_10 password
- Bypassing Windows 7_8_10 password

# 8 Digital Forensics

## Section 4. Digital Forensics

- Continuation of Flash Drive and Hard Drive hack with Chip Genius
- Continuation of Data Recovery on Formatted Cell Phones
- Data Recovery on Formatted Cell Phones
- Continuation of Htestw, Low level formatting and Parition Imaging with Safecopy
- Htestw, Low level formatting and Parition Imaging with Safecopy
- Flash Drive and Hard Drive hack with Chip Genius and other

## Section 5 . Wireless hacking

- Continuation of Spoofing MAC address, Credential harvesting, and bluetooth sniffing
- Spoofing IP Address on any Gateway
- Spoofing MAC address, Credential harvesting, and bluetooth sniffing
- Continuation of Spoofing IP Address on any Gateway
- Aircrack-ng
- Continuation of Aircrack-ng
- Types of Wireless Attacks
- Securing Wireless Infrastructure
- and other

## Section 6. Other Operating Systems

- Backbox and Parrot OS
- Continuation of Backbox and Parrot OS
- Tracing down files and Gathering Metadata
- Continuation of Tracing down files and Gathering Metadata

# 8 Digital Forensics

## Section 7. Android Hacking

- Decrypting Whatsapp Database and Scripts

- Creating Android Malware

- Capturing Whatsapp Database and Encryption Keys

- Whatsapp Crypt Encryption

- Android USB Debugging tools and other

## Section 8. Enumerating Targets

- Remote Connections and Port scanning

- Faking Digital Certificates

- Other Pen testing Distributions and SSH control

- Debian and Linux Basics Commands

- Aggressive Scanning

- WebSite Cloning and other

## Section 9 . Scanning

- Proxy switcher and GNI

- Nessus and GNI

- Netscan, Lansurveyor and Ping tools

- Nmap, Zenmap and LanGuard

- Monitoring TCP_IPconnections

- ID Server and Zenmap

- IP Scanning and Network Infrastructure

# 8 Digital Forensics

## Section 10 . FootPrinting and Reconnaissance

- Web Data Extraction and Search Diggity
- Web Browsers and Privacy
- Firebug and Httrack
- Email Tracking
- Gathering Information
- NSLookup
- Ping Utility

## Section 11 . Introduction to Ethical Hacking

- Remote Connections and Port scanning
- Faking Digital Certificates
- Other Pentesting Distributions and SSH control
- Debian and Linux Basics Commands
- Aggressive Scanning
- WebSite Cloning and other

# 9 Hacking Training Course

## Section 1 . Protecting Online Identity

- Types of phishing and antiphishing level
- Intoduction to phishing
- Action Needed When Identity Theft
- Reducing Risk of Online Identity Theft
- Tips for Protecting Online Identity
- Discussion about Protecting Online Identity
- Antiphis

## Section 2. General Hacking Methods

- Introduction to Attack Techniques and Classes of Attacks
- Internet Application Security and Vunerablity
- Hacking NetBIOS with example
- Port Scanning
- ICMP Scanning

## Section 3. Introduction

- Hacking through Android
- Hacking Android via Kali Linux

## Section4. Internet Phishing

- internet phisping introduction
- phisping link manipulation
- phisping link and website
- phone phishing
- how to protect yourself from phishing

## Section 5. Hacking

- introduction to computer security and cyber crime
- why cyber security
- Types of hackers attacks and spoofing
- Web spoofing and session hijacking
- Dos and bufferoverflow attacks
- Passwords attacks

# 9 Hacking Training Course

## Section 6 . Data Mining

- introduction to data mining
- data mining sub types
- usage of data mining and controversies
- goal

## Section 7. Spam

- introduction to spamming
- Types of spamming and counteractions
- General counteractions against spamming
- Damage caused by spamming

## Section 8. Cyber Terrorism

- Introduction to cyber terrorism
- Dos and potential of cyber terrorism
- Strength of internet

## Section 9. More on Data Mining

- introduction of data mining
- data mining applications
- explanation of kdd with diagram
- key steps in kdd process
- data mining and bi
- confluence of multiple disciplines
- why not traditional data analysis
- classification of data mining
- data mining functionalities
- interestingness of discovered patterns
- dmql
- dmql example explanation and other

# 9 Hacking Training Course

## Section 10 . Cryptography

- cryptography introduction
- caesar and subposition
- cryptanalysis and types of encryption used
- private key
- aes
- public and private keys
- public key and private key is formed in rsa
- rsa continued
- digital signature and digital certificate

## Section 11. SQL injection

- introduction to sql injection
- statistics of sql injection
- working of sql query
- sql injection working
- structure of sql query
- structure difference of sql queries
- prepare statements
- dynamic candidate evaluations
- how to protect from sql injection
- introduction to sql injection
- statistics of sql injection
- working of sql query
- sql injection working
- structure of sql query and other

## Section 12 . Wi-Fi

- introduction to wifi
- history of wifi
- specification of ieee 802.11 standards
- privacy and security of wireless network
- working and application of wifi

# 9 Hacking Training Course

## Section 13. Wireless Hacking

- hacking internet connection introduction

- use for wireless hacking

- fakeap wifi tool

- airjack tool for wifi

## Section 14. Advanced Wireless Hacking

- introduction to wireless network

- access points

- introduction and requirement in any wireless network

- wireless nic and wireless network standards

- ieee wireless standards and wireless communication

- ppp protocol

- eap protocol

- x-509 certificates

- leap cisco and extensible authentication protocol

- wep and wpa and other.

# Frequently Asked Questions

### Why should we learn Ethical hacking?

order to protect your privacy and data, you must know how the malicious elements can trick you to hack into your system. If you are aware of how you could be tricked, you will be extra ready to protect your critical information against the security breaches.

### Tell me something about scope in Ethical hacking.

With the exponential growth on the internet, the need to secure the system is also increasing parallel. All the organizations, regardless of their size, need people who can protect them from security breaches. So it is certain that there are lots of opportunity in the field of cyber security which is going to be double in the near future.

# Customer Reviews

Good course easy to follow the content. Very basic and well explained. I just did not give 4 stars because the course is too short. It's actually so well explained and it was a great learning experience. I will recommend it to anyone. Clear instructions, step by step.

**Satao Soumana**

This course is well arranged and informative and I think that the instructor put a lot of effort on it and he knows how to make the long story short. Clear, easy to understand and the instructor delivered the course in a very smooth way and covered a lot of topics.

**Ahmad Abu Alrashteh**

Great course and self-paced. I signed up for it but couldn't complete during that year due to personal reasons, Few months down the line I could still access and complete this course. Videos are detailed and easy to understand. The demonstration also plays a vital role in helping newbies like me. I will definitely recommend this course.

**Vidal E. Jow**

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For Queries please contact:

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