

# CEH: CERTIFIED ETHICAL HACKER V11

## Course Introduction:

The **Certified Ethical Hacker (CEH)** is the broadest of all available certification options. The **CEH Exam** is designed to test the cybersecurity professional's baseline knowledge of security threats, risks, and countermeasures through lectures and hands-on labs. An experienced professional may sit for the exam without any training by submitting proof of at least two years of cybersecurity experience.

**CEH** credential holders possess skills and knowledge on hacking practices in areas such as foot-printing and reconnaissance, scanning networks, enumeration, system hacking, Trojans, worms and viruses, sniffers, denial-of-service attacks, social engineering, session hijacking, hacking web servers, wireless networks and web applications, SQL injection, cryptography, penetration testing, evading IDS, firewalls, and honeypots. **CEH v11** provides a greater focus on emerging attack vectors, along with IoT hacking and vulnerability analysis.

The goal of this course is to help you master an ethical hacking methodology that can be used in penetration testing to lawfully assess the security of a system. This course delivers in-demand ethical hacking skills while preparing you for the internationally-recognized **Certified Ethical Hacker Certification Exam (312-50)** from **EC-Council**.

EC Council security experts have designed over 140 labs, which mimic real-time scenarios to help you "live" through an attack as if it were real. You will also be given access to over 2,200 commonly used hacking tools to immerse you into the hacker world.

## What You'll Learn:

- Footprinting
- Network scanning
- Enumeration
- Packet sniffing
- Social Engineering
- DoS/DDoS attacks
- Session hijacking
- Webserver and web application attacks and countermeasures
- SQL injection attacks
- Wireless encryption
- Cloud computing threats
- Cryptography ciphers
- Penetration testing

## Prerequisites:

Before attending this course, students are expected to have:

- At least two years of IT security experience
- A strong working knowledge of TCP/IP

## Who should attend?:

Before attending this course, students are expected to have:

- Security officers
- Auditors
- Security professionals
- Site administrators
- Penetration testers
- Individuals concerned about the integrity of network infrastructure

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## Course Outline:

Module 01: Introduction to Ethical Hacking

Module 02: Footprinting and Reconnaissance

Module 03: Scanning Networks

Module 04: Enumeration

Module 05: Vulnerability Analysis

Module 06: System Hacking

Module 07: Malware Threats

Module 08: Sniffing

Module 09: Social Engineering

Module 10: Denial-of-Service

Module 11: Session Hijacking

Module 12: Evading IDS, Firewalls, and Honeypots

Module 13: Hacking Web Servers

Module 14: Hacking Web Applications

Module 15: SQL Injection

Module 16: Hacking Wireless Networks

Module 17: Hacking Mobile Platforms

Module 18: IoT Hacking

Module 19: Cloud Computing

Module 20: Cryptography