



Consulting and Training | Reach New Heights

**Course Name**

# Certified Ethical Hacker v12 - CEHv12

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**Sector Name**

Information Technology

**Document Type**

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## Certified Ethical Hacker v12 - CEHv12

### Course Introduction

With the rapid growth of digital technologies and interconnected systems, organisations face increasing risks from cyber threats, data breaches, and network attacks. The CEHv12 – Certified Ethical Hacker training program equips cybersecurity professionals with the knowledge and practical skills required to identify vulnerabilities and protect organisational systems from malicious attacks.

This course focuses on the latest ethical hacking techniques, penetration testing methodologies, and cybersecurity defense strategies used by security experts to detect and prevent potential threats. Participants will learn how attackers exploit system vulnerabilities and how ethical hackers use the same techniques to strengthen security infrastructure and safeguard sensitive data.

The program covers essential cybersecurity areas including network security, vulnerability assessment, malware analysis, web application security, system penetration testing, and incident response strategies. By understanding real-world attack scenarios, professionals can develop proactive security measures that protect enterprise networks and digital assets.

Through practical labs, real-world simulations, and advanced cybersecurity tools, participants gain hands-on experience in identifying security weaknesses and implementing effective cybersecurity protection strategies, helping organisations maintain secure IT environments and ensure regulatory compliance

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## Certified Ethical Hacker v12 - CEHv12

### Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

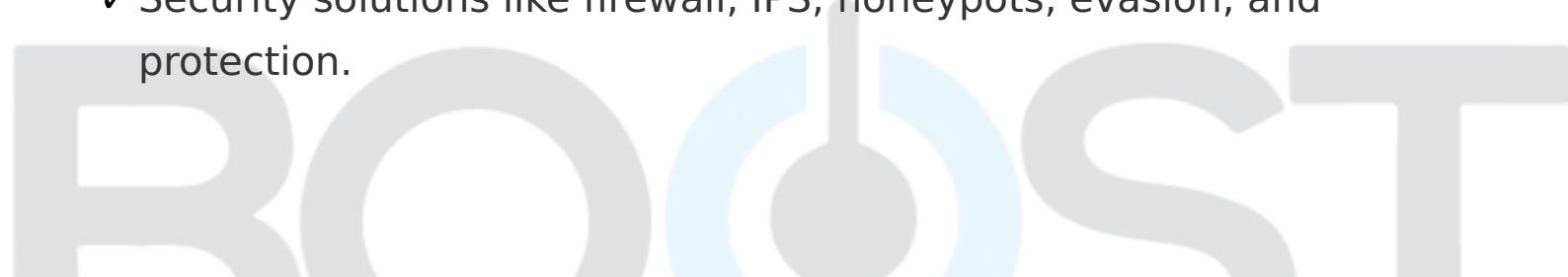
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### Learning Objectives

- ✓ Ethical hacking fundamentals, cyber kill chain concepts, an overview of information security, security measures, and numerous information security laws and regulations.
- ✓ Enumeration techniques include NFS enumeration and related tools, DNS cache snooping, and DNSSEC Zone walking along with the countermeasures.
- ✓ Concepts of vulnerability assessment, its categories and strategies, and first-hand exposure to the technologies used in industry.
- ✓ Phases of system hacking, attacking techniques to obtain, escalate, and maintain access on the victim and covering tracks.
- ✓ Malware threats, analysis of various viruses, worms, and trojans like Emotet and battling them to prevent data. APT and Fileless Malware concepts have been introduced to this domain.
- ✓ Packet sniffing concepts, techniques, and protection against the same.
- ✓ Social engineering concepts and related terminologies like identity theft, impersonation, insider threats, social engineering techniques, and countermeasures.
- ✓ Security solutions like firewall, IPS, honeypots, evasion, and protection.



- ✓ Operational Technology (OT) essentials, threats, attack methodologies, and attack prevention. The concept of OT is a new addition.
- ✓ Recognizing the vulnerabilities in IoT and ensuring the safety of IoT devices.
- ✓ Encryption algorithms, Public Key Infrastructure (PKI), cryptographic attacks, and cryptanalysis.
- ✓ Cloud computing, threats and security, essentials of container technology, and serverless computing.

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## Certified Ethical Hacker v12 - CEHv12

### Course Outline

#### ✓ Day 01

- ✓ **Module 01:** Introduction to Ethical Hacking
- ✓ **Module 02:** Foot Printing and Reconnaissance
- ✓ **Module 03:** Scanning Networks
- ✓ **Module 04:** Enumeration

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### Course Outline

- ✓ **Day 02**
  - ✓ **Module 05:** Vulnerability Analysis
  - ✓ **Module 06:** System Hacking
  - ✓ **Module 07:** Malware Threats
  - ✓ **Module 08:** Sniffing

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### Course Outline

#### ✓ Day 03

- ✓ **Module 09:** Social Engineering
- ✓ **Module 10:** Denial-of-Service
- ✓ **Module 11:** Session Hijacking
- ✓ **Module 12:** Evading IDS, Firewalls, and Honeypots

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### Course Outline

- ✓ **Day 04**
  - ✓ **Module 13:** Hacking Web Servers
  - ✓ **Module 14:** Hacking Web Applications
  - ✓ **Module 15:** SQL Injection
  - ✓ **Module 16:** Hacking Wireless Networks

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### Course Outline

#### ✓ Day 05

- ✓ **Module 17:** Hacking Mobile Platforms
- ✓ **Module 18:** IoT and OT Hacking
- ✓ **Module 19:** Cloud Computing
- ✓ **Module 20:** Cryptography

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## Certified Ethical Hacker v12 - CEHv12

### Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 14, 2026	Sept. 18, 2026	5 days	4950.00 \$	Malaysia , Kuala Lumpur
March 29, 2027	April 2, 2027	5 days	4250.00 \$	UAE , Dubai
June 22, 2026	June 26, 2026	5 days	4250.00 \$	UAE , Abu Dhabi
Jan. 4, 2027	Jan. 8, 2027	5 days	2150.00 \$	Virtual , Online

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