



**BH  
Security  
Plus**

**CEH v12**

**CERTIFIED  
ETHICAL  
HACKER  
v12**

**CEH  
v12**



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Uttar Prddesh , India

# INTRODUCTION

Welcome to the Certified Ethical Hacker (C|EHv12) training program, your gateway to the dynamic world of ethical hacking. In today's digital age, where cybersecurity threats loom large, there is an increasing demand for skilled professionals who can safeguard systems and networks from malicious attacks. The C|EHv12 certification equips you with the knowledge and skills needed to identify vulnerabilities, analyze threats, and implement effective security measures.

## WHY CHOOSE C|EHV12?

The C|EHv12 certification is globally recognized as the benchmark for ethical hacking proficiency. By enrolling in this training program, you will:

- Gain a comprehensive understanding of ethical hacking principles and methodologies.
- Learn from experienced and certified instructors who are experts in the field of cybersecurity.
- Develop hands-on skills through practical exercises and real-world simulations.
- Access a wealth of resources, including course materials, practice exams, and study guides.
- Prepare to challenge the C|EHv12 certification exam and validate your expertise in ethical hacking.

## WHO SHOULD ATTEND?

The C|EHv12 training program is ideal for:

- IT professionals seeking to enhance their cybersecurity skills and advance their careers.
- Security practitioners responsible for securing networks, systems, and applications.
- Ethical hackers and penetration testers looking to formalize their knowledge and obtain industry-recognized certification.
- Anyone interested in pursuing a career in cybersecurity and protecting organizations from cyber threats.



# COURSE OVERVIEW

Our C|EHv12 training program consists of 20 modules, covering a wide range of topics, including:

- Introduction to Ethical Hacking
- Footprinting and Reconnaissance
- Scanning Networks
- Enumeration
- Vulnerability Analysis
- System Hacking
- Malware Threats
- Sniffing
- Social Engineering
- Denial of Service
- Session Hijacking
- Evading IDS, Firewall, and Honeypots
- Hacking Web Servers
- Hacking Web Applications
- SQL Injection
- Hacking Wireless Networks
- Hacking Mobile Platforms
- IoT Hacking
- Cloud Computing
- Cryptography

Each module is designed to provide you with the knowledge and skills necessary to excel in the field of ethical hacking.

## JOIN US TODAY

Are you ready to take your cybersecurity skills to the next level? Join us on this exciting journey and become a Certified Ethical Hacker (C|EHv12). Enroll now and unlock a world of opportunities in the rapidly growing field of cybersecurity.



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# MODULE 01 : INTRODUCTION TO ETHICAL HACKING

- Element of Information Security
- Cyber Kill Chain Methodology
- MITRE ATT&CK Framework
- Hacker Classes, Ethical Hacking
- Information Assurance
- Risk Management
- Incident Management
- PCI DSS
- HIPPA
- SOX
- GDPR

# MODULE 02: FOOT PRINTING AND RECONNAISSANCE

- What are Foot printing and Reconnaissance?
- Objective of Foot printing
- Different Methods Used by Hacker in Foot printing.
- Advance Google Hacking/Dorking
- Email Foot printing.
- WHOIS Foot printing
- Competitive Intelligence
- Foot printing Tools

# MODULE 03: SCANNING NETWORKS

- Host Discovery
- Ping Sweep
- TCP 3-Way Handshake
- Introduction to Port Scanning
- Types of Port Scanning
- Port Scanning with Nmap
- OS Discovery



## **MODULE 04: ENUMERATION**

- Enumeration Concept
- Enumeration Techniques
- FTP Enumeration
- Telnet Enumeration
- SMB Enumeration
- NFS Enumeration
- RDP Enumeration
- MySQL Enumeration
- Report writing.

## **MODULE 05: VULNERABILITY**

### **ANALYSIS**

- What is Vulnerability Assessment
- What is Penetration Testing v/s Vulnerability Assessment?
- Type of Vulnerability Assessment
- Vulnerability Assessment Life Cycle
- Vulnerability Scoring System

## **MODULE 06: SYSTEM HACKING**

- System Hacking Concept
- System Hacking Methodologies
- Create Custom Wordlist with Crunch
- Password Cracking with Hashcat & John the Ripper
- Brute Force Attack
- Privilege Escalation
- Keylogger
- Hiding Files
- Covering Tracks

## **MODULE 07: MALWARE THREATS**

- What is Vulnerability Assessment
- What is Penetration Testing v/s Vulnerability Assessment?



- Type of Vulnerability Assessment
- Vulnerability Assessment Life Cycle
- Vulnerability Scoring System

## **MODULE 08: SNIFFING**

- Sniffing Concepts
- Types of Sniffing
- MAC Spoofing
- MAC Flooding
- ARP Spoofing Attack
- ARP Poisoning
- Sniffing Tools

## **MODULE 09: SOCIAL ENGINEERING**

- Social Engineering Concepts
- Phase of Social Engineering
- Types of Social Engineering
- Types of Phishing
- Impersonation on Social Networking Sites
- Social Engineering Countermeasures

## **MODULE 10: DENIAL OF SERVICE**

- DoS/DDoS Concepts
- Identifying DoS/DDoS Attacks
- Botnet
- Ping of Death
- DoS/DDoS Attack Tools
- Countermeasures

## **MODULE 11: SESSION HIJACKING**

- What is a Session?
- Session Hijacking Concepts
- Types of Session Hijacking
- Session Hijacking v/s Spoofing
- Session Replay Attack
- Session Fixation Attack
- How to Prevent Session Hijacking



## **MODULE 12: EVADING IDS, FIREWALL AND HONEYPOTS**

- Understanding Evading
- IDS, Firewall and Honeypot Concepts
- IDS v/s IPS
- Firewall and Types of Firewalls
- Honeypot and Types of Honeypots
- Types of Alerts
- Evading IDS
- Evading Firewall
- VPN v/s Proxy
- Honeypot Detection Tool

## **MODULE 13: HACKING WEB SERVERS**

- Web Server Concepts
- Web Server Security Issues
- Web Server Attacks
- Directory Traversal Attack
- Directory Listing Attack
- Impact of Web Server Attacks
- Web Server Attack Methodology

## **MODULE 14: HACKING WEB APPLICATION**

- Web Application Concept
- Hacking Methodology
- Introduction to Burp Suite
- Burp Suite Working and Setup
- OWASP Top 10
- Web Application Hacking Tools
- Countermeasures



## **MODULE 15: SQL INJECTION**

- SQL Injection Concept
- Types of SQL Injection
- SQL Injection Methodology
- SQL Injection Tools
- Countermeasures

## **MODULE 16: HACKING WIRELESS NETWORKS**

- Wireless Concepts
- Wireless Encryption
- Wireless Hacking Tools
- Monitor Mode v/s Managed Mode
- De-auth Attack
- Countermeasures

## **MODULE 17: HACKING MOBILE PLATFORMS**

- Mobile Platform Attack Vectors
- OWASP Top 10 Mobile Risk
- Hacking Android Device
- Android Rooting
- Installing Termux on Android Device
- Mobile Spyware
- Mobile Security

## **MODULE 17: HACKING MOBILE PLATFORMS**

- IoT Concepts
- IoT Vulnerabilities
- IoT Hacking Methodology
- IoT Hacking Tools
- Countermeasures





# MODULE 19: CLOUD COMPUTING

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- Cloud Computing Concepts
- Types of Cloud Computing Services
- Fog and Edge Computing
- Container
- Docker
- Kubernetes
- Cloud Computing Attacks
- Cloud Security

# MODULE 20: CRYPTOGRAPHY

- Cryptography Concepts
- Terms in Cryptography
- Encryption Algorithms
- Types of Cryptography
- Transposition Cipher
- Introduction to Hashing
- Types of Hashing
- Hash Calculator



# CONTACT US



## Official Website

[www.bhsecurityplus.com](http://www.bhsecurityplus.com)



## Official Youtube Channel

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