Certified Ethical Hacking (CEHv10)

Modality: On Demand

Duration: 17 Hours

About this course:

The Certified Ethical Hacker(CEH) training course enables students to identify, counter, and defend against hackers, who can maliciously penetrate networks and gain access to vital information. This will allow students to deploy proactive countermeasures and be able to stay ahead of security developments and exploited vulnerabilities. This course is also the prerequisite for the CHFI certification, which will expand on hacking techniques and explore cyber-forensics and investigation. Topics in this course include: DDOS Attacks, Detection, Policy Creation, Social Engineering, Virus Creation and Buffer Overflows.

Course Objective:

This course will teach you the following:

- Top Information Security Attack Vectors
- Information Security Threat Categories
- Types of Attacks on a System
- Hacking Concepts, Types, and Phases
- Ethical Hacking Concepts and Scope
- Enumeration Concepts
- Enumeration Pen Testing
- CEH System Hacking Steps
- Spyware
- How to Defend Against Keyloggers
- Penetration Testing

Audience:

This course is intended for:

- Security officers, auditors, security professionals, site administrators and anyone who is concerned about the integrity of their network infrastructure.

Prerequisite:

- You must have at least 2 years of experience in the field of Information Security to be able to give the CEH certification exam. The candidate must also have any sort of degree in IT in order to work professionally. For the most current requirements please check the eligibility requirements on the EC Council website.

Course Outline:

- Course Introduction
- Module 1: Introduction to Ethical Hacking
- Module 2: Footprinting and Reconnaissance
- Module 3: Scanning Networks
- Module 4: Enumeration
- Module 5: Vulnerablity Analysis
- Module 6: System Hacking
- Module 7: Malware Threats
- Module 8: Sniffing
- Module 9: Social Engineering
- Module 10: Denial-of-Services
- 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