EC-Council Network Security Certification

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C|EH™ v7
Certified Ethical Hacker

Ethical Hacking and Countermeasures

Course Description

This class will immerse the students into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. Students will begin by understanding how perimeter defenses work and then be lead into scanning and attacking their own networks, no real network is harmed. Students then learn how intruders escalate privileges and what steps can be taken to secure a system. Students will also learn about Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows and Virus Creation. When a student leaves this intensive 5 days (40 hours) class they will have hands on understanding and experience in Ethical Hacking.

This course prepares you for EC-Council Certified Ethical Hacker exam 312-50.

Who Should Attend

This course will significantly benefit security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of the network infrastructure.

Certification

The Certified Ethical Hacker exam 312-50 may be taken on the last day of the training (optional). Students need to pass the online Prometric exam to receive CEH certification.

Course Outline Version 7

CEHv7 Curriculum consists of instructor-led training and self-study. The Instructor will provide the details of self-study modules to the students beginning of the class.

Module 01: Introduction to Ethical Hacking
Module 02: Footprinting and Reconnaissance
Module 03: Scanning Networks
Module 04: Enumeration
Module 05: System Hacking
Module 06: Trojans and Backdoors
Module 07: Viruses and Worms
Module 08: Sniffers
Module 09: Social Engineering
Module 10: Denial of Service
Module 11: Session Hijacking
Module 12: Hacking Webservers
Module 13: Hacking Web Applications
Module 14: SQL Injection
Module 15: Hacking Wireless Networks
Module 16: Evading IDS, Firewalls and Honeypots
Module 17: Buffer Overflows
Module 18: Cryptography
Module 19: Penetration Testing