https://www.it4all.tech/

IT4all Hacker Pro

Course Content

Expiration date: December 31, 2021

This course prepares you to pass the EC-Council Certified Ethical Hacker certifications. This certification measures not just what you know, but what you can do to evaluate a system's security and make recommendations to make the system more secure.

The purpose of this course is to allow students and IT professionals to move into the cybersecurity field. The course covers the five phases of ethical hacking:

- Reconnaissance: also known as the preparatory phase, the reconnaissance phase is the phase in which the hacker gathers information about a target before launching an attack. This task is completed in phases prior to exploiting system vulnerabilities.
- Scanning: in the scanning phase, the hacker identifies a quick way to gain access to the network and look for information.
- Gain access: hackers gain access to the system, applications, and network, and then escalate user privileges to take control of systems.
- Maintain access: the hacker continues accessing the organization's systems to launch additional attacks on the network.
- Cover your tracks: after the hacker gains access, it is necessary to cover evidence of the system having been hacked to avoid being detected by security personnel.

Prerequisites
Although there are no official prerequisites, this course with the expectation that you already know the following:

- What a network is
- How a network functions
- IP addressing
- Subnetting
- DNS
- DHCP
- Basic security practices

Certifications
This course meets the specifications for two industry certification programs:

Certification Definition
EC-Council Certified Ethical Hacker The Certified Ethical Hacker (CEH) is a qualification obtained from EC-Council. EC-Council states that a certified ethical hacker is a skilled professional who understands and knows how to look for weaknesses and vulnerabilities in target systems and uses the same knowledge and tools as a malicious hacker, but in a lawful

and legitimate manner to assess the security posture of a target system. This knowledge is assessed by answering multiple-choice questions regarding various ethical hacking techniques and tools.
The code for the current CEH exam is 312-50. (As of 2020) To take the exam, a candidate must have two years of work experience in the information security domain and pay a $100 fee with their application. The current cost of the exam is $1199 if it's taken at a Pearson VUE test center or $950 if it's taken through EC-Council. This exam fee is in addition to the $100 application fee. For the latest requirements, check the EC-Council website at www.eccouncil.org.

Table of Content

15.2: Public Key Infrastructure
15.3: Cryptography Implementations
15.4: Cryptanalysis and Cryptographic Attack Countermeasures

Practice Exams
A.0: Ethical Hacker Pro Certification Practice Exam

B.0: EC-Council Certified Ethical Hacker - Practice Exams