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## CEH™ v12 Master Practical training

PACK ELITE INCLUDED - 2 CERTIFICATIONS EXAM + PRACTICAL

5 days (35 hours)

### Presentation

Get ready to pass one of the [world's most recognized](#) cybersecurity certifications! Our CEH™ Master training will give you the keys to passing the exam and becoming a certified ethical hacker. Choose Ambient IT as your training provider to take advantage of the Elite package included with your preparation. CEH™ Elite (Learn, Certify Engage & Compete) includes official EC Council© courses (any format), use of their labs, all CEH™ exams (CEH™ practical included), global CEH™ challenges and unlimited make-ups. We'll introduce you to the latest version of the certification, v12 including all the must-haves for becoming an ethical hacker, these skills are represented by [20 modules](#). Our CEH™ v12 Elite training will teach you all the cybersecurity principles you'll find on the exam. We'll guide you step-by-step as you prepare for the knowledge test, CEH™ Engage or CEH™ Practical.

### Training content

- A preparatory course in French for the CEH Master
- Unlimited exams with the Elite pack
- 6 months of official labs
- CEH™ Engage
- Global CEH™ Challenges
- CEH™ Exam
- CEH™ Practical
- Official EC Council© courses
- 10 EC Council© video training courses
- Unlimited retake

### Objectives

- Understanding the fundamentals of ethical hacking

- Have the skills to secure systems, networks, databases or applications from hacking attacks
- Ready for CEH™ certification

## Target audience

This course is particularly aimed at security managers, auditors, security professionals, site administrators and anyone concerned with the stability of information systems.

## Prerequisites

- Experience in using Windows and Linux operating systems
- Basic knowledge of TCP/IP network protocols and operation
- 2 years' experience in cybersecurity

## Teaching methods

The CEH™ 312-50 exam may be taken on the last day of training. Students will need to take the exam on the ECC exam online platform with the option of using ProctorU, or at a VUE test center to obtain certification. Exam title: Certified Ethical Hacker™ (ANSI) Exam code: 312-50 (ECC EXAM), 312-50 (VUE) Number of questions: 125 : 4 hours Availability: ECCEXAM / VUE CEH™ is not the property of Ambient IT. CEH™ is a registered trademark of EC Council©.

## CEH™ Elite Certification Preparation Program

### Introduction

- Safety fundamentals
- Definition of ethical hacking
- The ethical hacker's mission

### Information gathering

- Footprinting
- TCP/IP protocol
- Scanning
- Listing

### Attacking networks

- Wireless networking and hacking
- Network concepts
- The techniques
- The tools
- Escape techniques

## Hacking a system

- Authentication
- Elevation of privileges
- Hide files
- Covering your tracks
- Malware
- Denial of Service
- Session hijacking
- Hacking a webapp

## Web servers

- Attack methods
- Web server architecture
- Server attacks
- Attacks on web applications

## IoT

- IoT architecture
- How to hack IoTs?
- Mobile attacks and vulnerabilities

## Cloud Computing

- Types of Cloud services
- The threats
- The attacks
- Cloud hacking

## Cryptography

- A reminder of cryptography

- PKI
- Digital certificates
- Encrypted communications
- Cryptographic attacks

## Pentest

- Security audit
- Active recognition
- Understanding the methodology
- Creating operations

## Social Engineering

- Introduction to social engineering
- How to protect yourself?
- Attacks on cell phones
- Physical safety

## Preparing for CEH Engage

## Preparing for CEH Practical

## Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

## Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

## Teaching methods

Practical training: 60% Practical, 40% Theory. Training material distributed in

to all participants.

## Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

## Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

## Sanction

A certificate will be issued to each trainee who completes the course.