

# Certified Ethical Hacker v13 ELITE

Kód kurzu: CEHv13

Certified Ethical Hacker (CEH) v13 je najnovšia verzia prestížneho kurzu EC-Council pre etických hackerov, ktorá prináša zásadné inovácie v oblasti kybernetickej bezpečnosti. Kurz teraz zahŕňa rozšírené praktické zručnosti a integruje umelú inteligenciu (AI) do všetkých piatich fáz etického hackingu, čo účastníkom umožňuje efektívnejší a modernejší prístup k analýze hrozieb a obrane. V cene kurzu sú zahrnuté:

oficiálne elektronické študijné materiály prístupy do labov po dobu 6 mesiacov voucher na C|EH exam vrátane možnosti jedného zopakovania skúšky zdarma voucher na C|EH Practical C|EH Engage - viac než 3500 hackerských nástrojov, 519 techník útokov a 220 praktických cvičení Vyskúšate si hackovanie na reálnych cvičeniach a získate ďalšie skúsenosti C|EH Compete - nové výzvy každý mesiac

## Materiály ku kurzu

V cene kurzu sú zahrnuté:

- oficiálne elektronické študijné materiály
- prístupy do labov po dobu 6 mesiacov
- voucher na C|EH exam vrátane možnosti jedného zopakovania skúšky zdarma
- voucher na C|EH Practical
- C|EH Engage - viac než 3500 hackerských nástrojov, 519 techník útokov a 220 praktických cvičení Vyskúšate si hackovanie na reálnych cvičeniach a získate ďalšie skúsenosti
- C|EH Compete - nové výzvy každý mesiac

## Požadované vstupné znalosti

Záujemcovia o tento kurz by mali mať vedomosti aspoň na úrovni kurzu Network Security – Hacking v praxi (GOC3).

## Osnova kurzu

**Module 01: Introduction to Ethical Hacking.** Learn the fundamentals and key issues in information security, including the basics of ethical hacking, information security controls, relevant laws, and standard procedures.

**Module 02: Footprinting and Reconnaissance.** Learn how to use the latest techniques and tools for footprinting and reconnaissance, a critical pre-attack phase of ethical hacking.

**Module 03: Scanning Networks.** Learn different network scanning techniques and countermeasures.

**Module 04: Enumeration.** Learn various enumeration techniques, including Border Gateway Protocol (BGP) and Network File Sharing (NFS) exploits and associated countermeasures.

**Module 05: Vulnerability Analysis.** Learn how to identify security loopholes in a target organization's network, communication infrastructure, and end systems. Different types of vulnerability assessment and vulnerability assessment tools are also included.

**Module 06: System Hacking.** Learn about the various system hacking methodologies used to discover system and network vulnerabilities, including steganography, steganalysis attacks, and how to cover tracks.

**Module 07: Malware Threats.** Learn about different types of malware (Trojan, viruses, worms, etc.), APT and fileless malware, malware analysis procedures, and malware countermeasures.

**Module 08: Sniffing.** Learn about packet sniffing techniques and their uses for discovering network vulnerabilities, plus countermeasures to defend against sniffing attacks.

**Module 09: Social Engineering.** Learn social engineering concepts and techniques, including how to identify theft attempts, audit human-level vulnerabilities, and suggest social engineering countermeasures.

**Module 10: Denial-of-Service.** Learn about different Denial-of-Service (DoS) and Distributed DoS (DDoS) attack

### GOPAS Praha

Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Brno

Nové sady 996/25  
602 00 Brno  
Tel.: +420 530 513 590  
[info@gopas.cz](mailto:info@gopas.cz)

### GOPAS Bratislava

Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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techniques, as well as the tools used to audit a target and devise DoS and DDoS countermeasures and protections.

**Module 11: Session Hijacking.** Learn the various session-hijacking techniques used to discover network-level session management, authentication, authorization, and cryptographic weaknesses and associated countermeasures.

**Module 12: Evading IDS, Firewalls, and Honeypots.** Learn about firewalls, intrusion detection systems (IDS), and honeypot evasion techniques; the tools used to audit a network perimeter for weaknesses; and countermeasures.

**Module 13: Hacking Web Servers.** Learn about web server attacks, including a comprehensive attack methodology used to audit vulnerabilities in web server infrastructures and countermeasures.

**Module 14: Hacking Web Applications.** Learn about web application attacks, including a comprehensive web application hacking methodology used to audit vulnerabilities in web applications and countermeasures.

**Module 15: SQL Injection.** Learn about SQL injection attack techniques, evasion techniques, and SQL injection countermeasures.

**Module 16: Hacking Wireless Networks.** Learn about different types of encryption, threats, hacking methodologies, hacking tools, security tools, and countermeasures for wireless networks.

**Module 17: Hacking Mobile Platforms.** Learn mobile platform attack vectors, Android and iOS hacking, mobile device management, mobile security guidelines, and security tools.

**Module 18: IoT Hacking.** Learn different types of Internet of Things (IoT) and operational technology (OT) attacks, hacking methodologies, hacking tools, and countermeasures.

**Module 19: Cloud Computing.** Learn different cloud computing concepts, such as container technologies and serverless computing, various cloud computing threats, attacks, hacking methodologies, and cloud security techniques and tools..

**Module 20: Cryptography.** Learn about encryption algorithms, cryptography tools, Public Key Infrastructure (PKI), email encryption, disk encryption, cryptography attacks, and cryptanalysis tools..

Upozorňujeme, že vzhľadom k náročnosti obsahu a veľkému množstvu praktických ukážok nie je možné na kurze prebrať kompletnú osnovu, časť je určená len pre samoštúdium.

## Knowledge-based Exam C|EH

- proktorovaná skúška, ktorú je možné zložiť v našom testovacom stredisku
- 125 otázok, správnych môže byť viac odpovedí
- dĺžka skúšky - 4 hodiny
- EC-Council nezverejňuje, aká je nevyhnutná úspešnosť pre zloženie skúšky, celosvetovo sa pohybuje medzi 60 % a 80 %

## Practical exam C|EH

- 20 otázok založených na reálnych scenároch
- dĺžka skúšky - 6 hodín

GOPAS Praha  
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