EC-Council



C|EH™ v7

Certified Ethical Hacker

Program Brochure

Certified Ethical Hacker Version 7

Engineered by Hackers. Presented by Professionals.

Revolutionary Product

EC-Council releases the most advanced ethical hacking program in the world. This much anticipated version was designed by hackers and security researchers. CEH v7 is a revolutionary training program that combines class metrics, advance lab environment, cutting edge hacking techniques and excellent presentation materials. EC-Council has spent several years in developing this version.

The Certified Ethical Hacker courseware has undergone tremendous improvement from its predecessor. We have invested 4 times the regular investment in the research and development since the last release, and have given CEHv7 a complete makeover.

The new version is a breakaway from earlier releases with more emphasis on techniques and methodologies, which attackers may use to carry out possible attacks against system/ networks.

Picture speaks thousand words and we at EC-Council have enforced the saying by practicing it. The instructor slides and student manuals in CEHv7 has it all. The new version empowers the instructor with flawless flow and outstanding diagrammatic representation of the hacking techniques, which makes it easier to teach and enables students to understand the concepts better. CEHv7 provides a comprehensive ethical hacking and network security-training program to meet the standards of highly skilled security professionals. Hundreds of SMEs and authors have contributed towards the content presented in the CEHv7 courseware. Latest tools and exploits uncovered from the underground community are featured in the new package. Our researchers have invested thousands of man hours researching the latest trends and uncovering the covert techniques used by the underground community.

In addition to the makeover, CEHv7 includes two

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You Just Landed on The 7th Heaven. Hello Seven.
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additional also bundles; a Monster Hacking Tool Repository, Codenamed Frankenstein and a subscription based Virtual Lab Environment codenamed iLabs.

Frankenstein

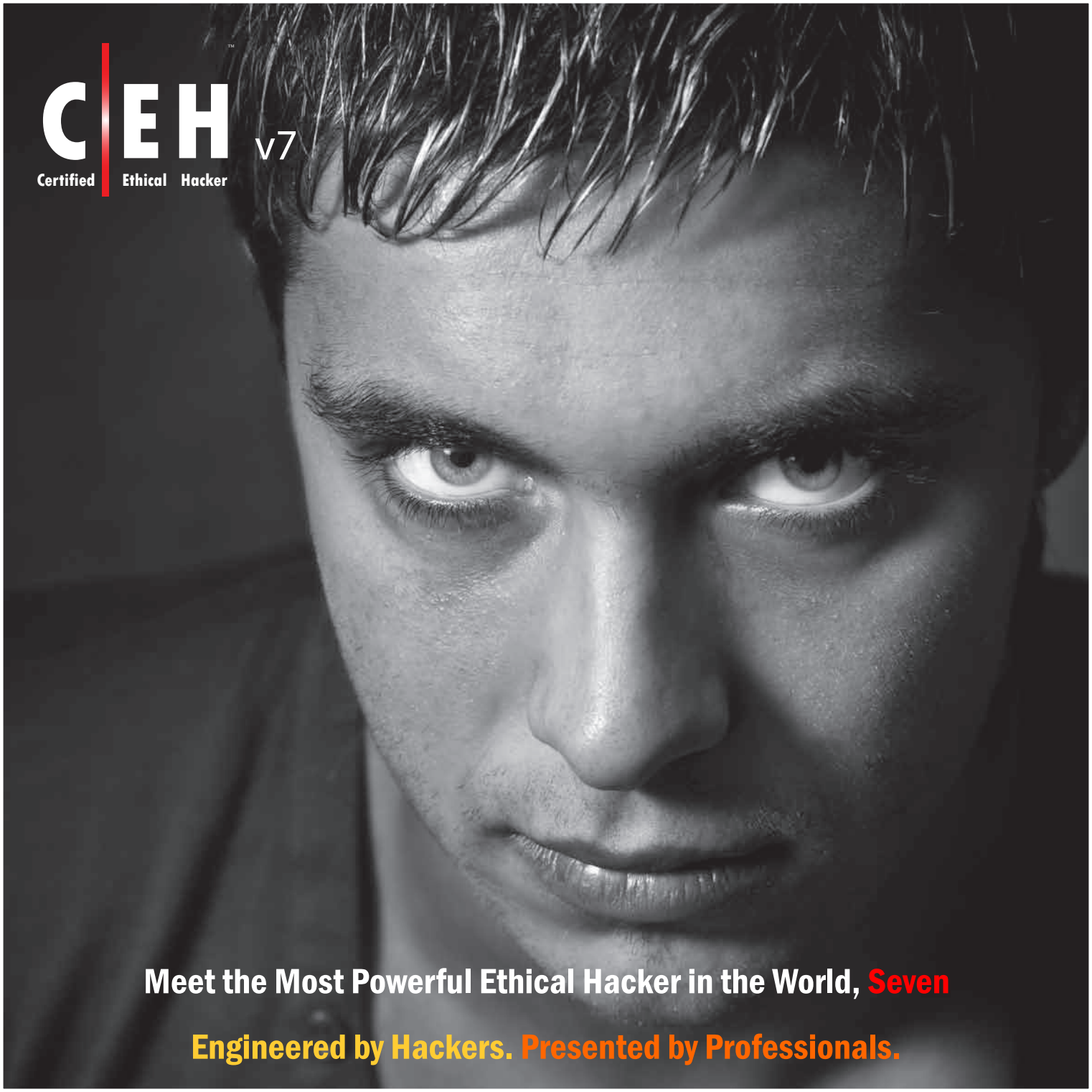
Frankenstein provides user with an ease for searching, downloading and installing the latest hacking and penetration testing tools. By using Frankenstein Version 1.0, users can check the release date of the tool, category under which it is published, probable size of the tool, name of the publisher/author, the website details and technical requirements for the tool to run. This will help all the Certified Members to keep themselves updated of tools released in the wild.

Key benefits:

- Repository of categorized latest tools
- User can download the tool in less time with comparison to manual search
- Helps the user to synchronize & manage the tools from the server
- Search specific tools from the available list of tools
- The system provides a means to generate a HTML report of all the tools downloaded by the user

iLabs

The iLabs is a subscription based service that allows students to logon to a virtualized remote machine running Windows 2003 Server to perform various exercises featured in the CEHv7 Lab Guide. All you need is a web browser to connect and start experimenting. The virtual machine setup reduces the time and effort spent by instructors and partners prior to the classroom engagement. It is a hassle free service available 24x7 x number of days subscribed.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Meet the Most Powerful Ethical Hacker in the World, Seven
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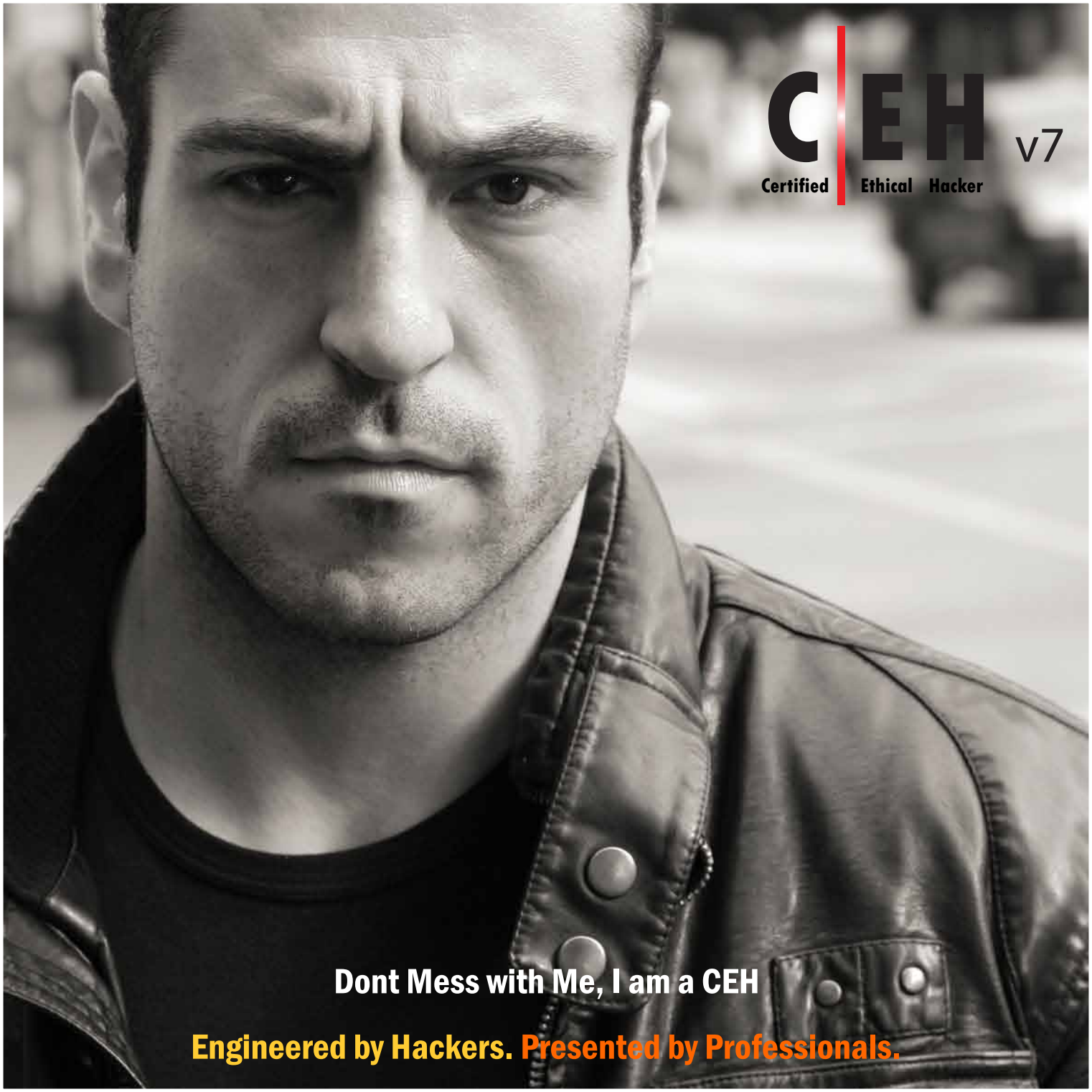
Benefits

- Enables students to practice various hacking techniques in a real time and simulated environment
- The course tools and programs are preloaded on the iLabs machine thereby saving productive time and effort

Key Features of CEH v7

- Well organized DVD-ROM content; a repository of approximately 20GB of latest hacking and security tools and more than 1000 minutes of videos demonstrating hacking techniques.
- Well organized content for a better understanding and learning experience
- Concepts are well-illustrated to create self-explanatory slides.
- Diagrammatic representation of concepts and attacks
- Industry standard key tools are featured in detail and other tools are presented as a list for students to try
- Exclusive section for countermeasures against different attacks with detailed explanation of how to implement these countermeasures in real time environment
- The new version has complete section dedicated for penetration testing. It illustrates how to implement learned concepts to test network system security
- A result oriented, descriptive and analytical lab manual; the labs showcased in the courseware are tested against latest Operating Systems with all the patches and hot fixes applied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Dont Mess with Me, I am a CEH
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Features

Updated Content
CEH v7 contains completely updated content on rapidly evolving security scenario and attack mechanisms

Organized Content
The well-designed content enhances the learning experience and ensures better understanding of key concepts, attack types and hacking methodologies

Classroom Friendly
The well-structured slides create an interactive classroom environment

Illustration Rich
The slides contain diagrams and illustrations to create better understanding of hacking concepts and actual attack paths

New Hacks
CEH v7 provides insights on new hacking techniques, networked environment and organized cybercrime

Hacking Tools
CEH v7 showcases thousands of Hacking tools including password cracker, spyware, live Trojans and viruses.

Security Tools
CEH v7 provides a detailed description of different industry-standard security tools. Other tools are listed for testing by students in a lab environment.

Countermeasures
CEH v7 has an exclusive section, which provides detailed explanation of countermeasures to be adopted against different types of attacks

Visual Appeal
Eye-catching graphics complement the content and enhance the learning experience of the students

Penetration Testing
CEH v7 has an exclusive section for Penetration Testing. The section demonstrates the application of learned concepts to penetrate the IT apparatus

Lab Setup
Lab setup environment includes 5 virtual machines to test the labs. Lab setup manual is accompanied with videos to facilitate Lab setup

DVD-ROM Content
CEH v7 also provides a DVD-ROM with a repository of around 15 GB of latest hacking tools and security tools

Expert Instructors
The course in taught by expert instructors and world renowned network security specialists and developers


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SECURITY or CEHCURITY ?
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Drown Yourself in the World of Seven.

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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 day 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.

Duration
5 days (9:00 – 5:00)

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.

Legal Agreement
Ethical Hacking and Countermeasures course mission is to educate, introduce and demonstrate hacking tools for penetration testing purposes only. Prior to attending this course, you will be asked to sign an agreement stating that you will not use the newly acquired skills for illegal or malicious attacks and you will not use


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such tools in an attempt to compromise any computer system, and to indemnify EC-Council with respect to the use or misuse of these tools, regardless of intent.
Not anyone can be a student — the Accredited Training Centers (ATC) will make sure the applicants work for legitimate companies.

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.

1. Introduction to Ethical Hacking
2. Footprinting and Reconnaissance
3. Scanning Networks
4. Enumeration
5. System Hacking
6. Trojans and Backdoors
7. Viruses and Worms
8. Sniffers
9. Social Engineering
10. Denial of Service
11. Session Hijacking
12. Hacking Webservers
13. Hacking Web Applications
14. SQL Injection
15. Hacking Wireless Networks
16. Evading IDS, Firewalls and Honeypots
17. Buffer Overflows
18. Cryptography
19. Penetration Testing



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