



AFRICAN ADVANCED LEVEL TELECOMMUNICATIONS INSTITUTE (AFRALTI)

TRAINING PROGRAM BROCHURE

Title:	Certified Ethical Hacker (CEH) Version 9
Dates:	3 - 7 April, 2017
Duration:	5 Days (8.30am - 4.30pm)
Venue:	AFRALTI, Nairobi, Kenya
Tuition Fee:	KSh 80,000 (Inclusive of Training, Official Courseware, Exam Voucher)

Course Overview:

This course is a comprehensive ethical hacking and information systems security assessment program focusing on latest security threats, advanced attack vectors and practical real time demonstration of latest hacking techniques, methodologies, tools, tricks and security measures.

The course also focuses on the latest hacking attacks targeted to mobile platform and tablet computers and covers countermeasures to secure mobile infrastructure. It addresses latest development in mobile and web technologies including Android OS 4.1 and Apps, iOS 6 and Apps, BlackBerry 7 OS, Windows Phone 8 and HTML 5.

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 Version 9 exam.

This course is recognized by National Security Agency (NSA) and the Committee on National Security Systems (CNSS). The course is also accredited by ANSI and is compliant with National Initiative For Cybersecurity Education (NICE).

Target Audience:

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

Pre-requisites:

The participants are required to have some good understanding of information security principles.

Prior to attending this course, you will be asked to sign an agreement stating that you will not use the newly acquired advanced hacking skills for illegal or malicious attacks and you will not use such tools in an attempt to compromise any computer system.

Value Proposition

This course delivered through our partnership with the EC-Council – the architects of the Ethical Hacking certification, promises to create ethical hackers who understand all security vulnerabilities and how to mitigate the associated risks. This training is delivered by certified Ethical Hackers who are also qualified CISA-ISACA auditors and CCNP certified.

Pain Point

With the proliferation of attacks even on highly secure systems, today, there is no single system that is 100% secure. This is made possible by the availability of the myriad number of tools and applications that can be used to launch an attack without requiring much sophistication.

For security professionals to be in a position to mitigate and counter these attacks and reduce the associated business risks, they need a deep understanding of how these attacks are launched. This course arms the learner with the skills needed to turn them into ethical hackers who can guard the business organization against external and internal attacks.

Training Methodology:

The curriculum consists of instructor-led training covering both theory and practical lessons. Students will be provided with security related resources and all tools required to perform a successful ethical hacking.

It is conducted using courseware developed by subject matter experts from all over the world and constantly updated to ensure that the students are exposed to the latest advances in the hacking/security space. Students practice various hacking techniques in a real time and simulated environment.

Students will receive the following:

- Courseware
- Exam Voucher - Exam code 312-50
- Hacking and Security tools

MAIN COURSE TOPICS

The following topics inclusive of theory and labs will be covered during the five days of intensive training:

1. Key issues plaguing the information security world, incident management process, and penetration testing
2. Various types of footprinting, footprinting tools, and countermeasures
3. Network scanning techniques and scanning countermeasures
4. Enumeration techniques and enumeration countermeasures
5. System hacking methodology, steganography, steganalysis attacks, and covering tracks
6. Different types of Trojans, Trojan analysis, and Trojan countermeasures
7. Working of viruses, virus analysis, computer worms, malware analysis procedure, and countermeasures
8. Packet sniffing techniques and how to defend against sniffing
9. Social Engineering techniques, identify theft, and social engineering countermeasures

10. DoS/DDoS attack techniques, botnets, DDoS attack tools, and DoS/DDoS countermeasures
11. Session hijacking techniques and countermeasures
12. Different types of webserver attacks, attack methodology, and countermeasures
13. Different types of web application attacks, web application hacking methodology, and countermeasures
14. SQL injection attacks and injection detection tools
15. Wireless Encryption, wireless hacking methodology, wireless hacking tools, and wi-fi security tools
16. Mobile platform attack vector, android vulnerabilities, jailbreaking iOS, windows phone 8 vulnerabilities, mobile security guidelines, and tools
17. Firewall, IDS and honeypot evasion techniques, evasion tools, and countermeasures
18. Various cloud computing concepts, threats, attacks, and security techniques and tools
19. Different types of cryptography ciphers, Public Key Infrastructure (PKI), cryptography attacks, and cryptanalysis tools
20. Various types of penetration testing, security audit, vulnerability assessment, and penetration testing roadmap

LAB ACTIVITIES

This training is lab intensive and all lab activities will be completed in an advanced security and hacking lab environment.

Key Focus Areas

1. New Attack Vectors
2. Focus on Mobile Platforms and Tablet Computers Hacking
3. State of the Art Integrated Labs
4. Advanced Lab Environment
5. Cloud-based Lab Environment
6. Frankenstein System (For Instructors)
7. Latest Operating Environment includes Windows Server 2012 and Windows 8 Visual Content Technology

Expert Instructors

The course is conducted by EC-Council certified ethical hackers (CEI) and information system security specialists.

For more information, please contact us on
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