NEW! Hacking Your Company: Ethical Solutions to Defeat Cyber Attacks Program

Aimed to assist businesses understand the weak points in their cyber security, Hacking Your Company: Ethical Solutions to Defeat Cyber Attacks is ideal for technical professionals across all industries who support their company’s IT departments and require up-to-date information on this threat.

These courses are intended for mid/advanced career professionals in IT, computer science and related fields, including C-Suite executives who require working knowledge of ethical hacking to support department functions.

Gain insight into the field with courses in the following topics:

- Scanning
- Enumeration
- System Hacking
- Malware Fundamentals
- Denial of Service Attacks
- Session Hijacking
- SQL Injections
- Evasion Techniques

Instructor Sean Oriyano is a seasoned IT security professional and entrepreneur. Over the past 25 years, he has split his time between writing, researching, consulting and training various people and organizations on a wide range of topics relating to both IT and security. He is also a member of the U.S. military as a Chief Warrant Officer specializing in infrastructure and security. Sean holds a number of certifications through FEMA, SGAUS, and COMPTIA.

Ethical Hacking Program
Quick Facts

Develop the skills and knowledge needed to succeed:

- Eight courses specifically chosen to cover all aspects of Ethical Hacking and help users gain the knowledge they need in the industry
- Delivered via IEEE Xplore, with its mobile-friendly design and powerful search features
- Printable individual CEU or PDH certificates upon the successful completion of a course
- Professionally developed multimedia courses
- Introductory, Intermediate, or Advanced course levels
- Perpetual access options are available

Other course programs available:
- Cyber Security Tools for Today’s Environment

Pricing: $2,995

Provides perpetual access for all users in an organization (one site)

Contact IEEE (onlinesupport@ieee.org) for a custom quote for your organization.
Courses included in this Ethical Hacking Program:

Scanning
Scanning is a technique that allows for a deep dive into a system to seek out valuable data and services in an IP address range. This course investigates discusses how to locate ports and services, and how to find weak spots to enter a system.

Enumeration
This course reviews the concept of enumeration. Enumeration is the process of identifying resources on a network, and extracting information from a system.

System Hacking
System hacking is the method that hackers use to gain access to computers on a network. This course will cover the process of gaining access to a targeted system including password cracking, privilege escalation and malware detection.

Malware Fundamentals
This course takes an in-depth look at the nature of malware and its many different forms. Topics covered will include viruses, Trojans, rootkits, buffer overflows and other related forms of malware.

Denial of Service Attacks
This course identifies various motivations, attack patterns, and defenses to help protect against the risk of DoS. In this course, we explore the motivations, pattern and the many forms they can take against a target, including network level and application layer attacks.

Session Hijacking
Session hijacking can be characterized as one of the most sophisticated forms of attack. In this course we will learn how to target and take over an existing communication or session between two systems.

SQL Injections
SQL injections are a powerful, but complex attack that can be used to strike out at web applications and their databases. This course explores how an SQL attack could alter, steal, or remove data without necessarily “hacking” a target.

Evasion Techniques
Evasion in a network is the process of bypassing a security check in order to attack or exploit the network. In this course we discuss techniques used by hackers to evade detection by the target of an attack to help you recognize and react to evasions.

Now delivered through IEEE Xplore
Access all course content through IEEE Xplore with an improved experience that provides:

▪ Streamlined access to all content from IEEE in one place, with the advantage of IEEE Xplore authentication methods
▪ A modern, mobile-friendly design for eLearning content
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IEEE Continuing Education Units (CEUs) and Prof. Development Hours (PDHs)
All courses are peer-reviewed by content experts, a process that guarantees both the quality of the technical content as well as adherence to strict IEEE criteria for educational excellence. As a CEU provider, IEEE can offer CEUs for any IEEE learning activity running at least one hour in duration. IEEE CEUs can also be converted into the PDHs needed to meet recertification requirements for professional certifications or licenses.

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