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# CEH Certified Ethical Hacker

SecureNinja's CEH v10 (Certified Ethical Hacker) training and certification boot camp in Alexandria, VA, Dulles, VA and San Diego, CA will immerse the students into a hands-on environment where they will be shown how to conduct ethical hacking. They will be exposed to an entirely different way of achieving optimal information security posture in their organization; by hacking it! They will 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.  Students then learn how intruders escalate privileges and what steps can be taken to secure a system. All of this will be done without harming any real network.

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 v10 exam 312-50.

## What is New in the CEH v10?

This is the worlds most advanced ethical hacking course with 19 of the most current security domains any ethical hacker will ever want to know when they are planning to beef up the information security posture of their organization. In 19 comprehensive modules, the course covers over 270 attack technologies, commonly used by hackers. New in CEH v10 is a module dedicated to hacking Internet of Things IoT devices.

The CEH v10 contains over 140 labs which mimic real time scenarios in the course to help you “live” through an attack as if it were real and provide you with access to over 2200 commonly used hacking tools to immerse you into the hacker world.

As “a picture tells a thousand words”, the developers of the CEH v10 have all this and more for you in over 2200 graphically rich, specially designed slides to help you grasp complex security concepts in depth which will be presented to you in 5 day hands on class by our Certified Instructor.

The goal of this course is to help you master an ethical hacking methodology that can be used in a penetration testing or ethical hacking situation. You walk out the door with ethical hacking skills that are highly in demand, as well as the globally recognized Certified Ethical Hacker certification! This course prepares you for EC-Council Certified Ethical Hacker exam 312-50.

In short, you walk out the door with hacking skills that are highly in demand, as well as the internationally recognized Certified Ethical Hacker  certification!

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## Course Description

The Certified Ethical Hacker (CEH) program is the core of the most desired information security training system any information security professional will ever want to be in. The CEH, is the first part of a 3 part EC-Council Information Security Track which helps you master hacking technologies. You will become a hacker, but an ethical one!

As the security mindset in any organization must not be  limited to the silos of a certain vendor, technologies or pieces of equipment,

This course was designed to provide you with the tools and techniques used by hackers and information security professionals alike to break into an organization. As we put it, “To beat a hacker, you need to think like a hacker”. This course will immerse you into the Hacker Mindset so that you will be able to defend against future attacks. It puts you in the driver’s seat of a hands-on environment with a systematic ethical hacking process.

Here, you will be exposed to an entirely different way of achieving optimal information security posture in their organization; by hacking it! You will scan, test, hack and secure your own systems. You will learn the Five Phases of Ethical Hacking and instructed how you can approach your target and succeed at breaking in every time! The Five Phases include Reconnaissance, Gaining Access, Enumeration, Maintaining Access, and Covering Your Tracks.

The tools and techniques in each of these five phases are provided in detail in an encyclopedic approach to help you identify when an attack has been used against your own targets. Why then is this training called the Certified Ethical Hacker Course? This is because by using the same techniques as the bad guys, you can assess the security posture of an organization with the same approach these malicious hackers use, identify weaknesses and fix the problems before they are identified by the enemy, causing what could potentially be a catastrophic damage to your respective organization.

Throughout the CEH course, you will be immersed in a hacker's mindset, evaluating not just logical, but physical security.

## Topics Covered

Introduction to Ethical Hacking

Footprinting and Reconnaissance

- Scanning Networks
- Enumeration
- System Hacking
- Malware Threats
- Sniffing
- Social Engineering
- Denial of Service
- Session Hijacking
- Evading IDS, Firewalls, and Honeypots

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- Hacking Web Servers
- Hacking Web Applications
- SQL Injection
- Hacking Wireless Networks
- Hacking Mobile Platforms
- IoT Hacking
- Cloud Computing
- Cryptography

## Who Would Benefit

- Security Officers
- Auditors
- Network Administrators
- Firewall Administrators
- Security Professionals
- Anyone who is concerned about the integrity of the network infrastructure

## Prerequisites

- Strong knowledge of TCP/IP
- Information systems and security background
- Minimum of 12 months of experience in networking technologies

## CEH v10 Exam Info

- Number of Questions: 125
- Passing Score: 70%
- Test Duration: 4 Hours
- Test Format: Multiple Choice
- Test Delivery: VUE /  ECCEXAM

**CEH training at SecureNinja will properly prepare you for the following exams:**

- 312-50 – Certified Ethical Hacker (ANSI)
    - Exam Code: 312-50 (ECC EXAM), 312-50  (VUE)
- 312-99 – Certified Network Defense Architect (CNDA)

## Courseware

- Official Certified Ethical Hacker v10 Courseware

## Course Length

- 40 hours

## Legal Agreement

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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 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.

## CEH v10 Features

- 19 Modules
- 140 Labs
- 270 Slides Attack Technologies
- 2200 Hacking Tools
- Over 2200 graphicaly rich slides

## DoD Directive 8570.1-M and 8140

**CEH v10 meets Government and DoD agencies compliance with Federal Information Security Management Act (FISMA) and DoD Directive 8570.1-M and 8140**

The CEH v10 (312-50) Certification can only be taken by students who have completed the EC-Council-authorized training. Note also that members of the U.S. Federal Government may also take the Certified Network Defense Architect (CNDA) certification. The CNDA program has been designed especially for the United States Government and military agencies. To achieve the Certified Network Defense Architect Certification, you must pass the CNDA exam 312-99.

US DOD Directive 8570/8140 & Certified Ethical Hacker (CEH) The United States of America Department of Defense issued Directive 8570 in 2004 and updated to 8140 in 2015 to mandate baseline certifications for all Information Assurance “IA” positions. In February of 2010, this directive was enhanced to include the Certified Ethical Hacker across its Computer Network Defense Categories “CND”.

DOD Directive 8570 / 8140 as stated by DIAP: DOD Directive 8570.01M Change 2 provides the basis for an enterprise-wide solution to train, certify, and manage the DoD Information Assurance (IA) workforce.

## Career Track & Roles

- Network Administrator
- Systems Administrator
- Systems Engineer
- Systems Architect
- Network Security Specialist

## Follow On Courses

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- ECSA
- Wireless Security
- Computer Forensics

**Secure Ninja CEHv10 (Certified Ethical Hacker) now incorporates the latest CEH v10 version of the curriculum and Labs.**

## About SecureNinja

SecureNinja Training is the DC's Area's #1 Expert IT Training Center . We are conveniently located in beautiful Historic Old Town Alexandria, VA enhancing your training experience and featuring:

- Metro Accessibility - Short walk from Metro Blue/Yellow Line (leave the car behind)
- 4 minute Drive to Ronald Reagan Washington, DC National Airport
- Available Parking
- World class restaurants and shops at your footsteps
- Closest Expert IT & IT Security Training Center to Fort Belvoir, Boiling AFB, Fort Myer, Department of Homeland Security, US Department of Navy, US Coast Guard, Fort McNair, Washington Navy Yard and the Pentagon

## Why Choose SecureNinja for your Washington DC Expert IT Training?

- Expert Instructors
- Highest Pass Rates
- Choose from Day, Evening & Weekend Classes to meet your busy schedule
- Accelerated Boot Camps Save You Time And Money
- Paid Internships & Job Referrals!
- Meet Your DoD 8570-1 and 8140 Certification Needs. Get Compliant!
- Secure Ninja is the ONLY Testing Center that offers ALL 5 industry standard test vendors in the DC / Baltimore Metropolitan Area. ( VUE, Kryterion-Online, Certiport and Impact-Testing)
- Lowest Prices! We are locally based keeping our overhead low so we can pass the savings along to you
- Washington, DC is our Home.  Most training centers set up shop in hotels or rented centers.  When you have a need, request or encounter a problem they are not there to answer. Our physical location in Alexandria is open 7 days a week and our staff always there to help.