Certified Penetration Testing Professional (CPENT)

Duration 5 days

COURSE DESCRIPTION

EC-Council's Certified Penetration Tester (CPENT) program teaches you how to perform an effective penetration test in an enterprise network environment that must be attacked, exploited, evaded, and defended. If you have only been working in flat networks, CPENT's live practice range will teach you to take your skills to the next level by teaching you how to pen test IoT systems, OT systems, how to write your own exploits, build your own tools, conduct advanced binaries exploitation, double pivot to access hidden networks, and customize scripts/exploits to get into the innermost segments of the network.

The CPENT range consists of entire network segments that replicate an enterprise network — this is not a computer game simulation; this is an accurate representation of an enterprise network that will present the latest challenges to the pen tester. The benefit of hands-on learning in a live cyber range is that candidates will encounter multiple layers of network segmentation, and the CPENT course will teach candidates how to navigate these layers, so that once access is gained in one segment, a candidate will know the latest pivoting techniques required to reach the next. However, that won't be enough on its own as the targets and segments are progressive in nature, so once you get into one machine and or segment, the next one will challenge you even more.

COURSE OUTLINE

Module 01: Introduction to Penetration Testing
Module 02: Penetration Testing Scoping and Engagement
Module 03: Open-Source Intelligence (OSINT)
Module 04: Social Engineering Penetration Testing
Module 05: Network Penetration Testing – External
Module 06: Network Penetration Testing– Internal
Module 07: Network Penetration Testing – Perimeter Devices
Module 08: Web Application Penetration Testing
Module 09: Wireless Penetration Testing
Module 10: IoT Penetration Testing
Module 11: OT/SCADA Penetration Testing
Module 12: Cloud Penetration Testing
Module 13: Binary Analysis and Exploitation
Module 14: Report Writing and Post Testing Actions

WHO SHOULD ATTEND

Penetration Testers, Ethical Hackers, Information Security Consultant, Security Testers, Security Analysts, Security Engineers, Network Service Administrators, Firewall Administrators, System Administrators, Risk Assessment Professionals