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**Learning Style: Virtual Classroom**

**Provider: EC-Council**

**Difficulty: Intermediate**

**Course Duration: 5 Days**

## **Certified Penetration Testing Professional Instructor Led Training**

### **What's Included:**

- *Official EC Council Invitation to the virtual class*
- *Official EC Council Print or e-courseware **included***
- *Official EC Council ilabs subscription*
- *EC Council Exam Voucher **included***

### **About this course:**

The Certified Penetration Testing Professional (CPENT) course is a rigorous and

multidisciplinary program that provides hands-on training in a wide range of crucial skills for effective penetration testing. Unlike traditional courses, CPENT focuses on performing penetration tests across filtered networks, covering advanced Windows attacks, Internet of Things (IoT) and Operational Technology (OT) systems, filtered network bypass techniques, exploit writing, privilege escalation, and binary exploitation. The course is designed to bridge the gaps in skills that many penetration testing professionals have across multiple disciplines, enabling them to perform well even in complex network environments.

The CPENT course aims to train professionals to become highly skilled penetration testers capable of tackling complex and varied targets, providing real-world experience and challenges to enhance their penetration testing abilities.

### **Course Objectives:**

- Advanced Windows Attacks
- Attacking IoT Systems
- Writing Exploits: Advanced Binaries Exploitation
- Bypassing A Filtered Network
- Pentesting Operational Technology (OT)
- Access Hidden Networks with Pivoting
- Double Pivoting
- Privilege Escalation
- Evading Defense Mechanisms
- Attack Automation with Scripts
- Build Your Armory: Weaponize Your Exploits
- Write Professional Reports

### **Audience:**

- Ethical Hackers / Penetration Testers / Security Testers
- Network Server Administrators / Firewall Administrators / System Administrators
- Risk Assessment Professionals / Information Security Consultants
- Cybersecurity Forensic Analysts / Cyberthreat Analysts
- Cloud Security Analysts / Application Security Analysts
- Cybersecurity Assurance Engineers / Information Security Engineers
- Security Operations Center (SOC) Analysts / Network Security Engineers
- Network Security Penetration Testers / Network Security Architects

### **Prerequisites:**

There are no specific prerequisites for the CPENT exam, but this is not an entry-level certification. We recommend that candidates for this training and certification have at least a couple of years experience in IT and cybersecurity, and have CEH certification or equivalent.

## 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

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