CompTIA PenTest+ Plus Training Course

3 – 7 January 2027
Dubai (UAE)



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CompTIA PenTest+ Plus Training Course

Ref: 15398_1028620 **Date:** 3 – 7 January 2027 **Location:** Dubai (UAE) **Fees:** 4900 Euro

Introduction:

Mercury Training Center designed the CompTIA PenTest+ course to equip aspiring cybersecurity professionals with the knowledge and practical skills required to effectively identify, exploit, and remediate vulnerabilities in network infrastructures.

This comprehensive CompTIA PenTest+ Plus training program combines theoretical foundations with hands-on lab exercises, allowing participants to develop expertise in penetration testing techniques and methodologies.

In this CompTIA PenTest+ Plus course, participants will understand how to conduct security assessments and enhance organizations' overall security posture, aligning with the objectives of the CompTIA PenTest+ certification. The CompTIA PenTest+ certification validates the skills and knowledge necessary to perform system tasks.

Throughout this course, participants will be prepared for the certification through in-depth CompTIA PenTest+ study guides and rigorous practice using CompTIA PenTest+ practice tests. It will cover CompTIA PenTest+ objectives in great detail, ensuring that all students are well-prepared for the certification and a fruitful career in penetration testing.

Targeted Groups:

- Cybersecurity professionals.
- Network administrators.
- System administrators.
- Security analysts.
- IT professionals interested in pursuing a career in penetration testing.

Targeted Competencies:

To fully benefit from this CompTIA PenTest+ Plus course, participants should have a solid understanding of network protocols, operating systems, and security concepts. Additionally, familiarity with essential networking tools and techniques would be advantageous.

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Course Objectives:

At the end of this CompTIA PenTest+ Plus course, participants will be able to:

- Gain a solid understanding of penetration testing methodologies, including planning, scoping, and reconnaissance.
- Develop expertise in performing vulnerability assessments and identifying network security weaknesses.
- Learn various techniques for exploiting vulnerabilities, such as network, web application, and wireless attacks.
- Understand the importance of post-exploitation activities and learn how to assess and document potential impacts.
- Master writing comprehensive penetration testing reports and effectively communicating findings to stakeholders.
- Familiarize yourself with the legal and ethical considerations associated with penetration testing.
- Explore the latest tools and technologies used in penetration testing, with opportunities for hands-on practice through CompTIA PenTest practice tests.

CompTIA PenTest+ Plus Course Outline:

Unit 1: Introduction to Penetration Testing:

- Understanding the fundamentals of penetration testing.
- Legal and ethical considerations.
- Scoping and planning a penetration test.
- Information gathering and reconnaissance techniques.

Unit 2: Vulnerability Assessment and Exploitation:

- Performing vulnerability assessments and scans.
- Exploiting network vulnerabilities.
- Understand exploiting web application vulnerabilities.
- Exploiting wireless network vulnerabilities.

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Unit 3: Post-Exploitation and Reporting:

- Assessing post-exploitation impacts.
- Escalating privileges and maintaining access.
- Writing effective penetration testing reports.
- Communicating findings to stakeholders.

Unit 4: Advanced Techniques and Tools:

- Exploiting cloud-based environments.
- Advanced network attacks and defenses.
- Understand web applications and security testing methodologies.
- Wireless network security testing methodologies.

Unit 5: Real-World Penetration Testing:

- Conducting a comprehensive penetration test.
- Engaging in red teaming exercises.
- Social engineering techniques and countermeasures.
- Physical security assessments.

Conclusion:

In this CompTIA PenTest+ Plus course, individuals will be ready to take the CompTIA PenTest+ exam with the confidence and competency gained from thorough training and support provided by expert instructors. Upon passing the exam, participants will receive their CompTIA PenTest+ certificate, a highly respected credential in the cybersecurity field.