

## CompTIA PenTest+

Duration: 5 Days Course Code: G015 Version: PT0-002

### Overview:

CompTIA PenTest+ is the most comprehensive cybersecurity exam covering all red team activities and is designed for cybersecurity professionals tasked with penetration testing and vulnerability management.

PenTest+ assesses the most up-to-date penetration testing, and vulnerability assessment and management skills necessary to determine the resiliency of the network against attacks. The CompTIA PenTest+ certification exam will verify successful candidates have the knowledge and skills required to: Plan and scope a penetration testing engagement Understand legal and compliance requirements Perform vulnerability scanning and penetration testing using appropriate tools and techniques, and then analyze the results Produce a written report containing proposed remediation techniques, effectively communicate results to the management team, and provide practical recommendations

### Target Audience:

Penetration Tester Security Consultant Cloud Penetration Tester Web App Penetration Tester Cloud Security Specialist Network & Security Specialist

### Objectives:

- **After completing this course you should be able to:**
- Explain the importance of planning and key aspects of compliance-based assessments.
- Conduct information gathering exercises with various tools and analyse output and basic scripts (limited to: Bash, Python, Ruby, PowerShell).
- Gather information to prepare for exploitation then perform a vulnerability scan and analyse results.
- Utilise report writing and handling best practices explaining recommended mitigation strategies for discovered vulnerabilities.
- Exploit network, wireless, application, and RF-based vulnerabilities, summarize physical security attacks, and perform post-exploitation techniques.

### Prerequisites:

#### Attendees should meet the following prerequisites:

- Intermediate knowledge of information security concepts, including but not limited to identity and access management (IAM), cryptographic concepts and implementations, computer networking concepts and implementations, and common security technologies.
- Practical experience in securing various computing environments, including small to medium businesses, as well as enterprise environments.
- CompTIA Network + or CompTIA Security + or equivalent knowledge
- Hands-on information security experience
- G005 - CompTIA Network+
- G013 - CompTIA Security+

### Testing and Certification

#### Recommended as preparation for the following exams:

- **PT0-002** - CompTIA Pentest+ Certification

## Follow-on-Courses:

The following courses are recommended for further study.

- **GK5867** - CompTIA CySA+ Cybersecurity Analyst
- **GK2951** - CompTIA Advanced Security Practitioner (CASP+)
- **GK5867** - CompTIA CySA+

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## Content:

Lesson 1: Scoping Organizational/Customer Requirements	Lesson 8: Avoiding Detection and Covering Tracks	Lesson 15: Scripting and Software Development
Lesson 2: Defining the Rules of Engagement	Lesson 9: Exploiting the LAN and Cloud	Lesson 16: Leveraging the Attack: Pivot and Penetrate
Lesson 3: Footprinting and Gathering Intelligence	Lesson 10: Testing Wireless Networks	Lesson 17: Communicating During the PenTesting Process
Lesson 4: Evaluating Human and Physical Vulnerabilities	Lesson 11: Targeting Mobile Devices	Lesson 18: Summarizing Report Components
Lesson 5: Preparing the Vulnerability Scan	Lesson 12: Attacking Specialized Systems	Lesson 19: Recommending Remediation
Lesson 6: Scanning Logical Vulnerabilities	Lesson 13: Web Application-Based Attacks	Lesson 20: Performing Post-Report Delivery Activities
Lesson 7: Analyzing Scanning Results	Lesson 14: Performing System Hacking	

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## Additional Information:

PenTest+ is compliant with ISO 17024 standards and approved by the US DoD to meet directive 8140/8570.01-M requirements. Regulators and government rely on ANSI accreditation, because it provides confidence and trust in the outputs of an accredited program. Over 2.3 million CompTIA ISO/ANSI-accredited exams have been delivered since January 1, 2011.

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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