



Official CompTIA learning resources
for Instructor-Led Training:

CompTIA PenTest+

Official CompTIA learning resources for Instructor-Led Training are designed with the instructor in mind, providing insights and tools for successfully training learners pursuing their CompTIA PenTest+ certification.

OVERVIEW

The Official CompTIA PenTest+ Instructor and Student Guides (PTO-002) have been developed by CompTIA for the CompTIA PenTest+ candidate. Rigorously evaluated to validate coverage of the CompTIA PenTest+ (PTO-002) exam objectives, The Official CompTIA PenTest+ Instructor and Student Guides teach the knowledge and skills to understand how to plan and scope a penetration testing engagement including vulnerability scanning, understand legal and compliance requirements, analyze results, and produce a written report with remediation techniques and prepare candidates to take the CompTIA PenTest+ certification exam.

OFFICIAL LEARNING RESOURCES

- CompTIA CertMaster Learn
- CompTIA CertMaster Labs
- CompTIA CertMaster Learn integrated with CertMaster Labs
- CompTIA CertMaster Practice
- The Official CompTIA Instructor Guide / Student Guide
- The Official CompTIA Study Guide

NEW FEATURES

• Content Updates for the CompTIA PenTest+ (PT0-002) Exam

The courseware has expanded the number of lessons and topics than the previous version of the course with the aim of restricting the size of each topic to no more than ten subject headings. By creating smaller chunks of reading, learners have an easier time reading and recalling the material. Learners are also presented with more opportunities to interact with the content and answer questions based on the reading.

• Easily Implemented in Classroom Environments

The content and resources have been reworked to make them more flexible to suit a variety of classroom formats, whether there are 5 days or 16 weeks to teach the material, or something in between:

- **Lengthy on-premises Lab Activities that require organizations to setup and maintain equipment have been removed from the eBook.** Instead, graded labs (CertMaster Labs) are available hosted on the Skillable. These modular labs require only a modern browser and internet connection, saving organizations hours of setup time. Their short durations of 10-30 minutes allow for labs to be more easily integrated in coursework. As a result, instructors will no longer see the setup guide in the Instructor Resources.
- **Reworked Presentation Tools:** The PowerPoint lecture slides have been enhanced with support notes. In addition, the presentations planner has been created as a separate document and includes information on labs, topics and PBQs to make it easier for instructors to plan lectures and use classroom time effectively.

• Alignment and Consistency Across Book, Labs and Assessment

The book, labs and assessment all work together with a similar approach and voice ensuring that instructors and students have a cohesive “single-sourced” solution for their PenTest+ courses. The presentation of course topics is supplemented with regular opportunities for hands-on labs, which are delivered via CertMaster Labs. Each lesson has exam-style multiple choice assessments, available via the CompTIA Learning Center. There is also a final assessment synthesizing concepts from all lessons.

• Engaging Video Program

Videos embedded within the lessons complement the instructional content by presenting real-world cybersecurity scenarios from experts experience. The videos help provide context of how the concepts learned in the course will be applied on-the-job.

• Robust Assessment

Practice questions for each lesson and a final assessment covering all Lessons, more than 300 questions in total, are available in the CompTIA Learning Center to help students practice and demonstrate what they have learned.

ENHANCED LEARNING RESOURCES

The Official CompTIA Pentest+ Guides include the accompanying resources:

Comprehensive INSTRUCTOR resources ensure successful course delivery by providing:	Comprehensive STUDENT resources engage students by providing:
<ul style="list-style-type: none">• Course-specific delivery tips provide the instructor with additional insights to deliver the course successfully.• Facilitator notes in instructor guide• Solutions to activities and discussions• PowerPoint slides: A complete set of slides to facilitate the class including lists, tables, diagrams, illustrations, annotated screens and summaries.• Presentation Planners help plan and schedule courses based on different course lengths.• Solutions: Instructors have solutions to Activities and Discussion Questions embedded within the Instructor Guide.• Transition Guides: Documents designed to help users transition from PT0-001 to PT0-002 version of the content. Resources include: table of contents, course setup changes, exam mapping guide, activities and more.	<ul style="list-style-type: none">• eBook: An interactive online version of the book, along with secure PDF and downloadable versions• Files: Any course files available to download• Videos: Brief videos that are organized by Lesson and Topic provide demonstrations of key activities and topics in the course. Videos can be shown in class to engage students or reviewed later to reinforce important topics.• Assessment: A series of different assessments for each lesson as well as an overall self-assessment• PowerPoint slides• Solutions to activities and discussions• Strengths and Weaknesses Dashboard: Students assessments results are aggregated in the Strengths and Weaknesses dashboard to provide an indicator of their overall performance in the course.

CERTMASTER LEARN OVERVIEW

CertMaster Learn is a comprehensive eLearning experience that helps learners gain the knowledge and practical skills necessary to be successful on CompTIA certification exams, and in their IT careers.

Instructional lessons are combined with videos, practice questions, and performance-based questions to provide hours of engaging and interactive content aligned with the CompTIA exam objectives. A Learning Plan helps learners stay on track with their studies, while robust analytics bring awareness of strengths and weaknesses.

When used in a classroom environment, CertMaster Learn empowers instructor and administrator success by providing easy-to-use course management tools, a comprehensive suite of instructor resources, and reporting and analytics options which make tracking individual student and group progress simple and efficient.

CERTMASTER LABS OVERVIEW

Graded Hands-on Practice with CertMaster Labs

CompTIA CertMaster Labs for PenTest+ (PT0-002) enable hands-on practice and skills development using real equipment and software accessed through a remote, browser-based lab environment. Aligned with Official CompTIA courseware and the CompTIA PenTest+ (PT0-002) exam objectives, CertMaster Labs make it easy for learners to practice and apply their skills in real workplace scenarios in preparation for the certification exam. All lab activities include gradable assessments, offer feedback and hints, and provide a score based on learner inputs, ultimately guiding learners to the most correct and efficient path through job tasks and, in a classroom environment, providing instructors with meaningful insight into student performance.

New Features:

Graded Labs

All lab activities within the PenTest+ course include gradable assessments, offer feedback and hints, and provide a score based on learner inputs, providing an accurate assessment of a learner's ability to correctly and efficiently perform tasks. There are two types of labs in the course:

There are two types of labs in the course:

- Assisted Labs guide the learner step-by-step through tasks, offering assessment and feedback throughout a 10-15 minute experience, allowing the learner to correct any misunderstandings as they proceed through the activity.
- Applied Labs present a series of goal-oriented scenarios in a 20-30 minute experience covering multiple topics, scoring the learner's work at the end of the activity based on their ability to successfully complete each scenario. As a result, learners are forced to think critically about how to approach problems without a prescribed set of steps.

Easily Implemented in Classroom Environments

The labs within the PenTest+ course are modular (not dependent on each other) and can be completed in any order. Additionally, learners can save their work in the labs for 48 hours. This flexibility along with the short durations of 10-30 minutes allow for labs to be easily integrated in coursework.

Integrated with CertMaster Learn

When integrated with CertMaster Learn, CertMaster Labs are displayed as Study Tasks within the CertMaster Learn Learning Plan. As a result, learners experience both knowledge acquisition and hands-on skills attainment through a single login and seamless workflow. Additionally, organizations who purchase the integrated course will be able to review student and group lab scores in the CertMaster Learn Boost Dashboard and hold students accountable for lab work.

EXAM PREP OPTION

CompTIA CertMaster Practice is an online knowledge assessment and training companion tool to help learners prepare for the CompTIA PenTest+ certification exam. Featuring an adaptive question-first design, CertMaster Practice quickly assesses what learners already know and what they still need to learn. For those topics where a learner needs more support, CertMaster Practice provides personalized remediation and feedback. Once learners are ready, they can demonstrate their knowledge on a timed practice test complete with performance-based questions.

COURSE OVERVIEW

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

The PenTest+ exam covers five major domains:

- Planning and Scoping (14%)
- Information Gathering and Vulnerability Scanning (22%)
- Attacks and Exploits (30%)
- Reporting and Communication (18%)

JOB ROLES

- Penetration Tester
- Security Consultant
- Cloud Penetration Tester
- Web App Penetration Tester
- Cloud Security Specialist
- Network & Security Specialist
- Information Security Engineer
- Security Analyst



COURSE OUTLINE

To view the course outline for PenTest+ (PTO-002) visit:

<https://s.comptia.org/3oF3cEo>

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