



Official CompTIA learning resources
for Instructor-Led Training:

CompTIA CASP+

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 CASP+ certification.

OVERVIEW

The Official CompTIA CASP+ Guide (Exam CAS-003) will deliver advanced principles of information security to help combat threats. In this guide, students will learn to analyze and apply advanced security concepts, principles, and implementations that contribute to enterprise-level cybersecurity.

OFFICIAL LEARNING RESOURCES

- The Official CompTIA Advanced Security Practitioner (CASP+) Instructor Guide (Exam CAS-003)
- The Official CompTIA Advanced Security Practitioner (CASP+) Student Guide (Exam CAS-003)
- CompTIA Learning Center – Digital Learning Platform – included with purchase of print and eBook
- CompTIA Advanced Security Practitioner (CASP+) (Exam CAS-003) CompTIA Labs

WHY ARE OFFICIAL COMPTIA LEARNING RESOURCES DIFFERENT?

- **For Exam Takers by the Exam Developer** - Official CompTIA learning resources are the only study material exclusively developed by CompTIA for the CompTIA certification candidate.
- **Developed with the instructor in mind** - Official CompTIA learning resource's focus on instruction are unique, providing instructors ease and flexibility to teach to any audience within any modality.
- **Complete Library** - No other content library covers all exam objectives for all certifications. It provides complete breadth, depth and currency of material unavailable with competitors.

KEY FEATURES AND BENEFITS

- **Designed and Class-tested for Instructor-Led Training** using proven instructional design. Topics are presented in a hierarchy that offers knowledge, procedural tasks and hand-on activities that require students put knowledge into practice. This approach keeps student engaged and ensures success.
- **Focused on job roles and 100% coverage of exam objectives** means learning resources are practical, based on real performance scenarios. In addition, learning resources are aligned to certification exam objectives.
- **Active Learning** is integrated with one activity per topic designed to enable students to practice guidelines and procedures as well as solidify understanding of the informational material presented in the course.
- **Flexible and customizable based on course format** whether the course is co-located or remote, synchronous or asynchronous. Class resources can be easily configured based on modality.

LABS

CompTIA Labs, hosted by Learn on Demand Systems, allow students to learn in actual software applications through a remote lab environment. Labs allow students to practice what they are learning using real, hands-on experiences. Students have access to the software environment for 180 days after a CompTIA Labs access key is redeemed, providing a post-class resource for students to practice their skills.

EXAM PREP OPTION

CompTIA CertMaster Practice is an online knowledge assessment and remediation tool designed to help learners feel more confident and prepared for the CompTIA exam.



ENHANCED LEARNING RESOURCES

The Official CompTIA CASP+ 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 activity 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.	<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, developed exclusively for CompTIA by ITProTV, provide demonstrations of key activities in the course• Assessment: A series of different assessments for each lesson as well 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.

COURSE OVERVIEW

This course is for students who are preparing for the CompTIA Advanced Security Practitioner (CASP+) certification exam CAS-003.

In this course, students will expand their knowledge of information security to apply more advanced principles. Students will apply critical thinking and judgment across a broad spectrum of security disciplines to propose and implement sustainable security solutions that map to organizational strategies; translate business needs into security requirements; support IT governance and risk management; architect security for hosts, networks, and software; respond to security incidents; and more.

JOB ROLES

- Security Architect
- Application Security Engineer
- Technical Lead Analyst
- Security Engineer



PREREQUISITES

Students seeking CASP+ certification should have at least 10 years of experience in IT management, with at least five years of hands-on technical security experience including identity and access management, cryptographic concepts, computer networking and enterprise security technologies.

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<p>Lesson 1: Supporting IT Governance and Risk Management</p> <p>Topic A: Identify the Importance of IT Governance and Risk Management</p> <p>Topic B: Assess Risk</p> <p>Topic C: Mitigate Risk</p> <p>Topic D: Integrate Documentation into Risk Management</p>	<p>Lesson 2: Leveraging Collaboration to Support Security</p> <p>Topic A: Facilitate Collaboration across Business Units</p> <p>Topic B: Secure Communications and Collaboration Solutions</p>	<p>Lesson 3: Using Research and Analysis to Secure the Enterprise</p> <p>Topic A: Determine Industry Trends and Their Effects on the Enterprise</p> <p>Topic B: Analyze Scenarios to Secure the Enterprise</p>
<p>Lesson 4: Integrating Advanced Authentication and Authorization Techniques</p> <p>Topic A: Implement Authentication and Authorization Technologies</p> <p>Topic B: Implement Advanced Identity and Access Management</p>	<p>Lesson 5: Implementing Cryptographic Techniques</p> <p>Topic A: Select Cryptographic Techniques</p> <p>Topic B: Implement Cryptography</p>	<p>Lesson 6: Implementing Security Controls for Hosts</p> <p>Topic A: Select Host Hardware and Software</p> <p>Topic B: Harden Hosts</p> <p>Topic C: Virtualize Servers and Desktops</p> <p>Topic D: Protect Boot Loaders</p>
<p>Lesson 7: Implementing Security Controls for Mobile Devices</p> <p>Topic A: Implement Mobile Device Management</p> <p>Topic B: Address Security and Privacy Concerns for Mobile Devices</p>	<p>Lesson 8: Implementing Network Security</p> <p>Topic A: Plan Deployment of Network Security Components and Devices</p> <p>Topic B: Plan Deployment of Network-Enabled Devices</p> <p>Topic C: Implement Advanced Network Design</p> <p>Topic D: Implement Network Security Controls</p>	<p>Lesson 9: Implementing Security in the Systems and Software Development Lifecycle</p> <p>Topic A: Implement Security throughout the Technology Lifecycle</p> <p>Topic B: Identify General Application Vulnerabilities</p> <p>Topic C: Identify Web Application Vulnerabilities</p> <p>Topic D: Implement Application Security Controls</p>
<p>Lesson 10: Integrating Assets in a Secure Enterprise Architecture</p> <p>Topic A: Integrate Standards and Best Practices in Enterprise Security</p> <p>Topic B: Select Technical Deployment Models</p> <p>Topic C: Integrate Cloud-Augmented Security Services</p> <p>Topic D: Secure the Design of the Enterprise Infrastructure</p> <p>Topic E: Integrate Data Security in the Enterprise Architecture</p> <p>Topic F: Integrate Enterprise Applications in a Secure Architecture</p>	<p>Lesson 11: Conducting Security Assessments</p> <p>Topic A: Select Security Assessment Methods</p> <p>Topic B: Perform Security Assessments with Appropriate Tools</p>	<p>Lesson 12: Responding to and Recovering from Incidents</p> <p>Topic A: Prepare for Incident Response and Forensic Investigations</p> <p>Topic B: Conduct Incident Response and Forensic Analysis</p>

PURCHASE EVERYTHING IN ONE PLACE

Official CompTIA learning resources are available on the CompTIA Store at <https://store.comptia.org/>, which means partners will be able to obtain Official CompTIA learning resources, CompTIA CertMaster products and exam vouchers all in one place. Please contact your CompTIA business development representative for more information.

