

COMPTIA ADVANCED SECURITY PRACTITIONER (CASP+)

Our Learning Exclusive

- Custom exam prep software and materials
- Exam delivery in classroom with 98% success
- Course specific thinQtank® Learning publications to promote a fun exciting learning
- Extended hours of training including immersive hands-on exercises
- WE DO NOT "TEACH THE TEST" We always deliver valuable hands-on experience
- Receive all reading material and study guides when you register
- All courses taught by expert information security professionals

Course Duration

- Five days of instructor-led training
- 80% lecture, 20% demonstrations

Prerequisites

Students should have at least a foundational knowledge of information security. This includes, but is not limited to:

- Knowledge of identity/access management (IAM)
- Knowledge of cryptographic concepts
- Knowledge of computer networking concepts
- Knowledge of common security

Target Audience

IT security professionals with minimum of 5 years of experience in IT administration and technical security experience

- Information Systems Security Engineer
- Network Security Engineer or Architect
- Security Consultant or Assessor
- Security Manager or Information Assurance Manager (IAM)
- Security Analyst
- IS Security Officer/Information Assurance Security Officer (ISSO/IASO)

Exam Information

- CAS-004 – CompTIA Advanced Security Practitioner v4 Exam

Delivery Methods

- Instructor-Led Training
- Immersive Live-Online Training
- On-Site and Custom Delivery

Exclusive Learning Package

- CompTIA-approved CASP+ training program
- After-course instructor coaching benefits
- Custom interactive study materials that assure success on the exam – FIRST ATTEMPT!
- **Exam voucher included**

Course Overview

thinQtank® Learning is offering an industry unique five-day training camp in which students can receive the CompTIA CASP+ certification. As with all of our CompTIA Training Experiences, exams are delivered in the classroom.

CompTIA CASP+ Certification is a vendor-neutral credential and is an internationally targeted validation of advanced-level security skills and knowledge. While there is no required prerequisite, the CASP+ certification is intended to follow CompTIA Security+ or equivalent experience and has a technical, "hands-on" focus at the enterprise level.

CompTIA Advanced Security Practitioner (exam CAS-004) is the course for careers with job responsibilities including securing complex enterprise environments. This training camp will prepare students to successfully achieve this in-demand certification and will teach students to assess, investigate, examine, and research potential security threats in any organization.

Finally, students will gain the foundational knowledge to fully prepare for the CASP+ exam (CAS-004). What students learn and practice in this course can be a significant part of the CASP+ exam preparation.

Course Objectives

In this course, you will analyze and apply advanced security concepts, principles, and implementations that contribute to enterprise-level security, including:

- Support IT governance in the enterprise with an emphasis on managing risk
- Leverage collaboration tools and technology to support enterprise security
- Use research and analysis to secure the enterprise
- Integrate advanced authentication and authorization techniques
- Implement cryptographic techniques
- Implement security controls for hosts
- Implement security controls for mobile devices
- Implement network security
- Implement security in the systems and software development lifecycle
- Integrate hosts, storage, networks, applications, virtual environments, and cloud technologies in a secure enterprise architecture
- Conduct security assessments
- Respond to and recover from security incidents

COMPTIA ADVANCED SECURITY PRACTITIONER (CASP+)

Course Modules

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

COMPTIA ADVANCED SECURITY PRACTITIONER (CASP+)



thinQtank® Global, Inc. dba thinQtank® Learning P.O. Box 803215, Valencia, CA 91380 USA
Tel 855-TO-THINQ Fax 208-979-0668 www.thinqtanklearning.com

© 2024 thinQtank® Global, Inc. All rights reserved. The product or learning materials are protected by U.S. and intellectual property laws. thinQtank Global, thinQtank Learning and the Q-Man logo are registered trademarks of thinQtank Global, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

thinQtank Global, Inc. warrants that it will perform these training services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY THINQTANK GLOBAL, INC., OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM. THINQTANK GLOBAL, INC. WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO CUSTOMER. All materials provided in this training are copyrighted by thinQtank Global, Inc. ("Learning Materials"). thinQtank Global, Inc. grants the customer of this learning a license to use Learning Materials strictly for the purpose of facilitating such company's internal understanding, utilization and operation of the technology covered herein. Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights or any other license granted under the terms of this training.