

5 Days

CompTIA Advanced Security Practitioner (CASP)

The CompTIA Advanced Security Practitioner (CASP) is the only master's level exam by CompTIA that identifies an advanced skill set of an individual in IT Security. The CASP is a globally recognized, and vendor-neutral certification that helps experienced IT Administrators and Security Specialists to explore the latest cyber threats and identifying new tools and techniques to troubleshoot and fix those threats.

As this is a master-level certification, it is highly beneficial to professionals who possess a minimum 10 years of experience in IT administration inclusive of 5 years of experience in information security. This CASP prep course will prepare individuals in addressing the competencies in enterprise security, risk management, incident response, research & analysis etc. The prep course has been designed to build these abilities through simulations of real-world security scenarios.

Moreover, the CASP has been approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements, that meets its count for global recognition across the industry.

The CASP training qualifies an individual to appear for the exam CAS-002 to earn the CASP certification.

Course Details

Course Outline

Module 1: Managing Risk

- Identify the Importance of Risk Management
- Assess Risk
- Mitigate Risk
- Integrate Documentation into Risk Management

Module 2: Integrating Computing, Communications, and Business Disciplines

- Facilitate Collaboration Across Business Units
- Secure Communications and Collaboration Solutions
- Implement Security Activities Throughout the Technology Life Cycle

Module 3: Using Research and Analysis to Secure the Enterprise

- Determine Industry Trends and Effects on the Enterprise
- Analyze Scenarios to Secure the Enterprise

Module 4: Integrating Advanced Authentication and Authorization Techniques

- Implement Authentication and Authorization Technologies
- Implement Advanced Identity Management

Module 5: Implementing Cryptographic Techniques

- Describe Cryptographic Concepts
- Choose Cryptographic Techniques
- Choose Cryptographic Implementations

Module 6: Implementing Security Controls for Hosts

- Select Host Hardware and Software
- Harden Hosts
- Virtualize Servers and Desktops
- Implement Cloud Augmented Security Services
- Protect Boot Loaders

Module 7: Implementing Security Controls for Enterprise Storage

- Identify Storage Types and Protocols
- Implement Secure Storage Controls

Module 8: Analyzing and Implementing Network Security

- Analyze Network Security Components and Devices
- Analyze Network-Enabled Devices
- Analyze Advanced Network Design
- Configure Controls for Network Security

Module 9: Implementing Security Controls for Applications

- Identify General Application Vulnerabilities
- Identify Web Application Vulnerabilities
- Implement Application Security Controls

Module 10: Integrating Hosts, Storage, Networks, and Applications in a Secure Enterprise Architecture

- Implement Security Standards in the Enterprise
- Select Technical Deployment Models
- Secure the Design of the Enterprise Infrastructure
- Secure Enterprise Application Integration Enablers

Module 11: Conducting Vulnerability Assessments

- Select Vulnerability Assessment Methods
- Select Vulnerability Assessment Tools

Module 12: Responding to and Recovering from Incidents

- Design Systems to Facilitate Incident Response
- Conduct Incident and Emergency Responses

Who Should Attend

The CASP course is ideal for:

- Individuals seeking the CompTIA Advanced Security Practitioner (CASP) certification (Exam CAS-002)
- IT professionals carrying a minimum of 10 years of experience in IT administration inclusive of a minimum of five years of experience in information security in an enterprise environment.

Pre Requisite

Professionals with 10 years of experience in IT administration with at least 5 years of hands-on technical security experience.

Exams

CASP [CAS-002]

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