CompTIA CASP+

Duration: 5 days
Audience: Professionnel TI

Who is this training for?

Cybersecurity technicians and practitioners who apply strategies and techniques tailored to an organization's cybersecurity policies and models. Individuals who wish to obtain an advanced certification that demonstrates expertise and knowledge of security concepts, tools, procedures, design and engineering of secure solutions across large enterprise environments.

Training objectives

- Acquire advanced skills to design and build secure solutions in complex business environments
- Master enterprise security, including operations and architecture concepts, techniques, and requirements
- Develop skills in risk analysis and cyber defense anticipation
- Manage security of mobile devices and small form factor devices
- Analyze software vulnerability
- Integrate Cloud and virtualization technologies in a secure enterprise architecture
- Master cryptographic techniques, such as blockchain, cryptocurrencies and mobile device encryption

Summary

Develop advanced skills to design and build secure solutions in complex business environments. Your expert instructor will provide you with the technical knowledge and skills to conceptualize, design, integrate, and implement secure solutions in complex environments to support a resilient business.

Course outline

Risk Management (19% of the exam)

- Summarize business and industry influences and associated security risks
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Compare and contrast security and privacy policies and procedures based on the organization's requirements.

- From a scenario, implement risk mitigation strategies and controls
- Analyze risk measurement scenarios to secure the enterprise

Enterprise Security Architecture (25% of the exam)

- Analyze a scenario and integrate network and security components, concepts, and architectures to meet security requirements.
- Analyze a scenario to integrate security controls for host devices to meet security requirements
- Analyze a scenario to integrate security controls for mobile devices and small form factor devices to meet security requirements
- Given software vulnerability scenarios, Select the appropriate security controls.

Enterprise Security Operations (20% of examination)

- From a scenario, conduct a security assessment using the appropriate methods
- Analyze a scenario or outcome and select the appropriate tool for a security assessment
- Within a scenario, implement incident response and recovery procedures. Enterprise Security Technical Integration (23% of exam)
- In one scenario, integrate hosts, storage, networks, and applications into a secure enterprise architecture
- In one scenario, integrate cloud and virtualization technologies into a secure enterprise architecture.
- In a scenario, integrate and troubleshoot advanced authentication and authorization technologies to support the company's security objectives.
- In a scenario, implement cryptographic techniques
- In a scenario, select the appropriate control to secure communications and collaboration solutions.

Research, Development, and Collaboration (13% of the exam)

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In a scenario, apply research methods to determine industry trends and their impact on the business.

- In a scenario, implement security activities throughout the technology lifecycle.
- Explain the importance of interaction between different business units to achieve safety objectives.

Approach and methodology

Advanced, strategic and analytical approach, based on the study of complex scenarios, the design of secure architectures and decision-making in a large-scale enterprise context.

Recommendations

- Applicants must have ten years of experience in IT administration, including at least five years of hands-on experience in technical security
- Although not a prerequisite, CASP+ training typically follows CompTIA Security+ training or equivalent content.

Certifications

Related Exam: CompTIA CASP+ (CAS-004) (or current version) Certification Earned: CompTIA Advanced Security Practitioner (CASP+) ® Course Link: Advanced CASP+ Exam Preparation, Focused on Security Design and Architecture.

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