

Free PDF 2026 CompTIA The Best CAS-005: Latest CompTIA SecurityX Certification Exam Questions



COMPTIA SECURITYX EXAM OVERVIEW

Exam Code	CAS-005
Exam Duration	165 minutes
Number of Questions	Maximum 90 questions
Question Types	Multiple Choice & Performance-based
Passing Score	Pass/Fail only (no scaled score)
Recommended Experience	10+ years in IT (5+ years in security)
Testing Provider	Pearson VUE (Test center or online)
Launch Date	December 17, 2024
Certification Validity	3 years (renewable through continuing education)

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CompTIA CAS-005 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Security Architecture: This domain focuses on analyzing requirements to design resilient systems, including the configuration of firewalls and intrusion detection systems.
Topic 2	<ul style="list-style-type: none"> Security Engineering: This section measures the skills of CompTIA security architects that involve troubleshooting common issues related to identity and access management (IAM) components within an enterprise environment. Candidates will analyze requirements to enhance endpoint and server security while implementing hardware security technologies. This domain also emphasizes the importance of advanced cryptographic concepts in securing systems.
Topic 3	<ul style="list-style-type: none"> Governance, Risk, and Compliance: This section of the exam measures the skills of CompTIA security architects that cover the implementation of governance components based on organizational security requirements, including developing policies, procedures, and standards. Candidates will learn about managing security programs, including awareness training on phishing and social engineering.
Topic 4	<ul style="list-style-type: none"> Security Operations: This domain is designed for CompTIA security architects and covers analyzing data to support monitoring and response activities, as well as assessing vulnerabilities and recommending solutions to reduce attack surfaces. Candidates will apply threat-hunting techniques and utilize threat intelligence concepts to enhance operational security.

>> Latest CAS-005 Questions <<

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CompTIA SecurityX Certification Exam Sample Questions (Q194-Q199):

NEW QUESTION # 194

Which of the following is the main reason quantum computing advancements are leading companies and countries to deploy new encryption algorithms?

- **A. Encryption systems based on large prime numbers will be vulnerable to exploitation**
- B. Quantum computers will enable malicious actors to capture IP traffic in real time
- C. Perfect forward secrecy will prevent deployment of advanced firewall monitoring techniques
- D. Zero Trust security architectures will require homomorphic encryption.

Answer: A

Explanation:

Quantum computing threatens traditional encryption methods, especially those based on large prime number factorization (e.g., RSA), because quantum algorithms like Shor's algorithm can break them efficiently. This drives the need for post-quantum cryptography.

NEW QUESTION # 195

A company implements an AI model that handles sensitive and personally identifiable information. Which of the following threats is most likely the company's primary concern?

- A. Model theft
- **B. Unsecured output handling**
- C. Prompt injection
- D. Model poisoning

Answer: B

NEW QUESTION # 196

A company plans to deploy a new online application that provides video training for its customers.

As part of the design, the application must be:

- Fast for all users
- Available for users worldwide
- Protected against attacks

Which of the following are the best components the company should use to meet these requirements? (Choose two.)

- A. SASE
- **B. WAF**
- C. IPS
- D. VPN
- E. CASB
- **F. CDN**

Answer: B,F

Explanation:

A Web Application Firewall (WAF) protects the application from attacks such as injection and cross-site scripting. A Content Delivery Network (CDN) improves performance and availability by caching content closer to users worldwide.

NEW QUESTION # 197

A company is adopting microservice architecture in order to quickly remediate vulnerabilities and deploy to production. All of the microservices run on the same Linux platform. Significant time was spent updating the base OS before deploying code. Which of the following should the company do to make the process efficient?

- A. Deploy a centralized update server.
- B. Create a cron job to run apt-update every 30 days.
- **C. Use Terraform scripts while creating golden images.**
- D. Use snapshots to deploy code to existing compute instances.

Answer: C

Explanation:

Creating golden images with Terraform enables automated, consistent, and up-to-date deployment of microservices with a pre-patched base OS. This significantly reduces time spent on manual updates and accelerates production deployment in a microservices environment.

NEW QUESTION # 198

A company that uses several cloud applications wants to properly identify:

- * All the devices potentially affected by a given vulnerability.
- * All the internal servers utilizing the same physical switch.
- * The number of endpoints using a particular operating system. Which of the following is the best way to meet the requirements?

- A. CASB
- **B. CMDB**
- C. GRC
- D. SBoM

Answer: B

Explanation:

Comprehensive and Detailed Explanation:

The requirements demand detailed asset tracking and inventory management. Let's analyze:

- * A. SBoM (Software Bill of Materials): Tracks software components, not hardware or network topology.
- * B. CASB (Cloud Access Security Broker): Secures cloud apps but doesn't map physical switches or OS counts.
- * C. GRC (Governance, Risk, and Compliance): Focuses on risk management, not detailed asset tracking.

Reference: CompTIA SecurityX (CAS-005) objectives, Domain 4: Governance, Risk, and Compliance, covering asset management.

NEW QUESTION # 199

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