

# CompTIA CAS-005 Latest Exam Vce, CAS-005 Reliable Test Materials



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Just as an old saying goes, it is better to gain a skill than to be rich. Contemporarily, competence far outweighs family backgrounds and academic degrees. One of the significant factors to judge whether one is competent or not is his or her CAS-005 certificates. Generally speaking, CAS-005 certificates function as the fundamental requirement when a company needs to increase manpower in its start-up stage. In this respect, our CAS-005 practice materials can satisfy your demands if you are now in preparation for a CAS-005 certificate.

## CompTIA CAS-005 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Security Architecture: This domain focuses on analyzing requirements to design resilient systems, including the configuration of firewalls and intrusion detection systems.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>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.</li></ul>
Topic 4	<ul style="list-style-type: none"><li>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.</li></ul>

## CompTIA CAS-005 Reliable Test Materials & Practice CAS-005 Exam Online

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### CompTIA SecurityX Certification Exam Sample Questions (Q289-Q294):

#### NEW QUESTION # 289

Third parties notified a company's security team about vulnerabilities in the company's application. The security team determined these vulnerabilities were previously disclosed in third-party libraries. Which of the following solutions best addresses the reported vulnerabilities?

- A. Integrating a SAST tool as part of the pipeline
- B. Implementing a continuous security assessment program
- C. Creating a bug bounty program
- D. Using IaC to include the newest dependencies

**Answer: A**

Explanation:

The best solution to address reported vulnerabilities in third-party libraries is integrating a Static Application Security Testing (SAST) tool as part of the development pipeline.

Early Detection: SAST tools analyze source code for vulnerabilities before the code is compiled.

This allows developers to identify and fix security issues early in the development process.

Continuous Security: By integrating SAST tools into the CI/CD pipeline, the organization ensures continuous security assessment of the codebase, including third-party libraries, with each code commit and build.

Comprehensive Analysis: SAST tools provide a detailed analysis of the code, identifying potential vulnerabilities in both proprietary code and third-party dependencies, ensuring that known issues in libraries are addressed promptly.

#### NEW QUESTION # 290

An organization hires a security consultant to establish a SOC that includes a threat-modeling function. During initial activities, the consultant works with system engineers to identify antipatterns within the environment. Which of the following is most critical for the engineers to disclose to the consultant during this phase?

- A. Network and data flow diagrams covering the production environment
- B. A current inventory of cloud resources and SaaS products in use
- C. Results from the most recent software composition analysis
- D. Results from the most recent infrastructure access review
- E. A listing of unpatchable IoT devices in use in the data center

**Answer: A**

Explanation:

In the context of establishing a Security Operations Center (SOC) with a threat-modeling function, it's crucial to understand how data flows within the organization's systems. Network and data flow diagrams provide a visual representation of the system's architecture, illustrating how data moves between components, which is essential for identifying potential security weaknesses and antipatterns. Antipatterns are common responses to recurring problems that are ineffective and risk-inducing. By analyzing these diagrams, the consultant can pinpoint areas where security controls may be lacking or misconfigured, thereby facilitating the development of effective threat models.

While other options like unpatchable IoT devices (Option B) and inventories of cloud resources (Option E) are important for comprehensive security assessments, they are more pertinent during later stages, such as vulnerability management and asset inventory. The initial phase of threat modeling focuses on understanding the system's structure and data flows to identify potential threats, making network and data flow diagrams the most critical information at this stage.

#### NEW QUESTION # 291

A cybersecurity architect is reviewing the detection and monitoring capabilities for a global company that recently made multiple

acquisitions. The architect discovers that the acquired companies use different vendors for detection and monitoring. The architect's goal is to:

- Create a collection of use cases to help detect known threats
- Include those use cases in a centralized library for use across all of the companies

Which of the following is the best way to achieve this goal?

- A. Ariel Query Language
- **B. Sigma rules**
- C. TAXII/STIX library
- D. UBA rules and use cases

**Answer: B**

Explanation:

To create a collection of use cases for detecting known threats and include them in a centralized library for use across multiple companies with different vendors, Sigma rules are the best option.

Vendor-Agnostic Format: Sigma rules are a generic and open standard for writing SIEM (Security Information and Event Management) rules. They can be translated to specific query languages of different SIEM systems, making them highly versatile and applicable across various platforms.

Centralized Rule Management: By using Sigma rules, the cybersecurity architect can create a centralized library of detection rules that can be easily shared and implemented across different detection and monitoring systems used by the acquired companies. This ensures consistency in threat detection capabilities.

Ease of Use and Flexibility: Sigma provides a structured and straightforward format for defining detection logic. It allows for the easy creation, modification, and sharing of rules, facilitating collaboration and standardization across the organization.

#### NEW QUESTION # 292

A company wants to implement hardware security key authentication for accessing sensitive information systems. The goal is to prevent unauthorized users from gaining access with a stolen password. Which of the following models should the company implement to best solve this issue?

- **A. Context-based**
- B. Rule based
- C. Time-based
- D. Role based

**Answer: A**

Explanation:

Context-based authentication enhances traditional security methods by incorporating additional layers of information about the user's current environment and behavior. This can include factors such as the user's location, the time of access, the device used, and the behavior patterns. It is particularly useful in preventing unauthorized access even if an attacker has obtained a valid password.

Rule-based (A) focuses on predefined rules and is less flexible in adapting to dynamic threats.

Time-based (B) authentication considers the time factor but doesn't provide comprehensive protection against stolen credentials.

Role-based (C) is more about access control based on the user's role within the organization rather than authenticating the user based on current context.

By implementing context-based authentication, the company can ensure that even if a password is compromised, the additional contextual factors required for access (which an attacker is unlikely to possess) provide a robust defense mechanism.

#### NEW QUESTION # 293

An administrator brings the company's fleet of mobile devices into its PKI in order to align device WLAN NAC configurations with existing workstations and laptops. Thousands of devices need to be reconfigured in a cost-effective, time-efficient, and secure manner. Which of the following actions best achieve this goal? (Select two)

- A. Deploying serverAuth extended key usage certificate templates
- B. Deploying netAuth extended key usage certificate templates
- **C. Using the existing MDM solution to integrate with directory services for authentication and enrollment**
- D. Submitting a CSR to the CA to obtain a single certificate that can be used across all devices
- E. Deploying clientAuth extended key usage certificate templates

- **F. Configuring SCEP on the CA with an OTP for bulk device enrollment**

**Answer: C,F**

Explanation:

For bulk PKI enrollment:

MDM integration with directory services streamlines certificate request and deployment per device, leveraging existing authentication methods.

Simple Certificate Enrollment Protocol (SCEP) with one-time passwords allows automated, secure, large-scale certificate issuance without manual CSR handling.

clientAuth templates are used for device authentication, but selecting it alone is insufficient without automated enrollment mechanisms. A single certificate for all devices violates PKI security principles and compromises individual device accountability.

### NEW QUESTION # 294

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