

Valid CompTIA CAS-005 Test Topics, CAS-005 Reliable Dumps Files



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According to different kinds of questionnaires based on study condition among different age groups, our CAS-005 test prep is totally designed for these study groups to improve their capability and efficiency when preparing for CompTIA SecurityX Certification Exam CAS-005 Exams, thus inspiring them obtain the targeted CompTIA CAS-005 certificate successfully.

CompTIA CAS-005 Exam Syllabus Topics:

| Topic | Details |
|---------|--|
| Topic 1 | <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 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">• 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. |
| Topic 4 | <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. |

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CAS-005 Reliable Dumps Files - CAS-005 Detailed Answers

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CompTIA SecurityX Certification Exam Sample Questions (Q263-Q268):

NEW QUESTION # 263

Which of the following best explains the business requirement a healthcare provider fulfills by encrypting patient data at rest?

- A. Providing for non-repudiation data
- **B. Protecting privacy while supporting portability.**
- C. Reducing liability from identity theft
- D. Securing data transfer between hospitals

Answer: B

Explanation:

Encrypting patient data at rest is a critical requirement for healthcare providers to ensure compliance with regulations such as the Health Insurance Portability and Accountability Act (HIPAA). The primary business requirement fulfilled by this practice is the protection of patient privacy while supporting the portability of medical information. By encrypting data at rest, healthcare providers safeguard sensitive patient information from unauthorized access, ensuring that privacy is maintained even if the storage media are compromised.

Additionally, encryption supports the portability of patient records, allowing for secure transfer and access across different systems and locations while ensuring that privacy controls are in place.

NEW QUESTION # 264

A security analyst is performing a review of a web application. During testing as a standard user, the following error log appears:

Error Message in Database Connection

Connection to host USA-WebApp-Database failed

Database "Prod-DB01" not found

Table "CustomerInfo" not found

Please retry your request later

Which of the following best describes the analyst's findings and a potential mitigation technique?

- A. The findings indicate unsecure references. All potential user input needs to be properly sanitized.
- B. The findings indicate a SQL injection. The database needs to be upgraded.
- C. The findings indicate unsecure protocols. All cookies should be marked as HttpOnly.
- **D. The findings indicate information disclosure. The displayed error message should be modified.**

Answer: D

Explanation:

The error message reveals sensitive details (hostnames, database names, table names), constituting information disclosure. This aids attackers in reconnaissance. Mitigation involves modifying the application to display generic error messages (e.g., "An error occurred") instead of specifics.

* Option A: Unsecure references suggest coding flaws, but this is a configuration/output issue, not input sanitization.

* Option B: Unsecure protocols and HttpOnly cookies relate to session security, not error handling.

* Option C: Correct-information disclosure is the issue; generic errors mitigate it.

* Option D: No evidence of SQL injection (e.g., manipulated input); upgrading the database doesn't address disclosure.

Reference: CompTIA SecurityX CAS-005 Domain 2: Security Architecture - Secure Application Design and Error Handling.

NEW QUESTION # 265

A security engineer discovers that some legacy systems are still in use or were not properly decommissioned.

After further investigation, the engineer identifies that an unknown and potentially malicious server is also sending emails on behalf of the company. The security engineer extracts the following data for review:

| Server IP | DNS | Status | Auth. pass rate |
|---------------|-----------------------|--------------|-----------------|
| 200.100.50.25 | marketing.company.com | Authorized | 97% |
| 200.50.25.10 | 29mail.mycrosoft.info | Unauthorized | 0% |
| 210.20.20.5 | mail.google.com | Authorized | 100% |

Which of the following actions should the security engineer take next? (Select two).

- A. Change the DMARC policy to reject and remove references to the server.
- B. Rotate the DKIM selector to use another key.
- C. Change the DMARC policy to none and monitor email flow to establish a new baseline.
- **D. Remove the unnecessary servers from the SPF record.**
- E. Update the MX record to contain only the primary email server.
- **F. Change the SPF record to enforce the hard fail parameter.**

Answer: D,F

Explanation:

The presence of an unauthorized server (29mail.mycrosoft.info) sending emails on behalf of the company indicates a potential spoofing or phishing attempt. To mitigate this:

* Remove the unnecessary servers from the SPF record (Option C): The Sender Policy Framework (SPF) specifies which mail servers are authorized to send emails on behalf of a domain. Removing unauthorized or unnecessary servers from the SPF record helps prevent spoofed emails from passing SPF checks.

* Change the SPF record to enforce the hard fail parameter (Option D): Setting the SPF policy to a hard fail (-all) ensures that emails from unauthorized servers are rejected, enhancing email security.

Implementing these changes strengthens the domain's email authentication mechanisms, reducing the risk of successful phishing or spoofing attacks.

Reference: CompTIA SecurityX CAS-005 Exam Objectives, Domain 3.2: "Given a scenario, analyze requirements to enhance the security of endpoints and servers."

NEW QUESTION # 266

A software engineer is creating a CI/CD pipeline to support the development of a web application. The DevSecOps team is required to identify syntax errors. Which of the following is the most relevant to the DevSecOps team's task?

- A. Software composition analysis
- B. Runtime application self-protection
- C. Web application vulnerability scanning
- **D. Static application security testing**

Answer: D

Explanation:

Static Application Security Testing (SAST) involves analyzing source code or compiled code for security vulnerabilities without executing the program. This method is well-suited for identifying syntax errors, coding standards violations, and potential security issues early in the development lifecycle.

A . Static application security testing (SAST): SAST tools analyze the source code to detect syntax errors, vulnerabilities, and other issues before the code is run. This is the most relevant task for the DevSecOps team to identify syntax errors and improve code quality.

B . Software composition analysis: This focuses on identifying vulnerabilities in open-source components and libraries used in the application but does not address syntax errors directly.

C . Runtime application self-protection (RASP): RASP involves monitoring and protecting applications during runtime, which does not help in identifying syntax errors during the development phase.

D . Web application vulnerability scanning: This involves scanning the running application for vulnerabilities but does not address syntax errors in the code.

Reference:

CompTIA Security+ Study Guide

OWASP (Open Web Application Security Project) guidelines on SAST

NIST SP 800-95, "Guide to Secure Web Services"

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NEW QUESTION # 267

Previously intercepted communications must remain secure even if a current encryption key is compromised in the future. Which of the following best supports this requirement?

- A. Simultaneous authentication of equals
- B. Key stretching
- C. Forward secrecy
- D. Tokenization

Answer: C

Explanation:

Comprehensive and Detailed In-Depth Explanation:

* Forward secrecy (FS) ensures that past encrypted data remains secure even if encryption keys are compromised in the future. It generates ephemeral session keys that are not reused.

* Other options:

* A (Tokenization) replaces sensitive data with tokens but does not prevent key compromise.

* B (Key stretching) makes brute-force attacks harder but does not ensure secrecy after compromise.

* D (Simultaneous Authentication of Equals - SAE) is used in WPA3 but is not related to past communication security.

NEW QUESTION # 268

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