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Once our professionals find the relevant knowledge on the CAS-005 exam questions, then the whole research groups will pick out the knowledge points according to the test syllabus. Also, they will also compile some questions about the CAS-005 practice materials in terms of their experience. Now, we have successfully summarized all knowledge points in line with the CAS-005 outline. And meanwhile, we keep a close eye on the changes of the exam to make sure what you buy are the latest and valid.

### CompTIA CAS-005 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<ul style="list-style-type: none"> <li>• <b>Security Engineering:</b> 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 3	<ul style="list-style-type: none"> <li>• <b>Governance, Risk, and Compliance:</b> 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>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Security Operations:</b> 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>

## CompTIA SecurityX Certification Exam Sample Questions (Q120-Q125):

### NEW QUESTION # 120

An organization is developing an in-house software platform to support capital planning and reporting functions. In addition to role-based access controls and auditing/logging capabilities, the product manager must include requirements associated with archiving data and immutable backups. Which of the following organizational considerations are most likely associated with this requirement? (Select two)

- A. Supply chain weaknesses
- B. Device attestation
- C. Legal hold compliance
- D. Ransomware resilience
- E. Quality assurance
- F. Crypto-export management controls

**Answer: C,D**

Explanation:

The requirements for archiving data and immutable backups directly align with legal hold compliance (E) and ransomware resilience (F).

Legal hold compliance ensures that organizations can retain data in a tamper-proof manner when required for litigation, regulatory mandates, or audits. Immutable backups satisfy this by preventing unauthorized changes or deletion, ensuring evidence and records are preserved.

Ransomware resilience is also a key factor. Immutable backups allow recovery from ransomware attacks, as attackers cannot encrypt or delete data stored in read-only or write-once media. This reduces downtime and supports business continuity.

Options A (crypto-export), B (supply chain), C (device attestation), and D (quality assurance) do not relate directly to data archiving or immutable storage.

### NEW QUESTION # 121

A compliance officer is facilitating a business impact analysis (BIA) and wants business unit leaders to collect meaningful data. Several business unit leaders want more information about the types of data the officer needs.

Which of the following data types would be the most beneficial for the compliance officer? (Select two)

- A. Contingency plans
- B. Critical processes
- C. Network diagrams
- D. Applicable contract obligations
- E. Inventory details
- F. Costs associated with downtime

**Answer: B,D,F**

Explanation:

Comprehensive and Detailed Explanation:

\* Understanding Business Impact Analysis (BIA):

\* A BIA assesses the effects of disruptions to an organization's operations.

\* It helps prioritize resources based on the potential impact of downtime, compliance issues, and critical processes.

\* Why Options B, C, and F are Correct:

\* B (Applicable contract obligations) # Many companies have legal and compliance obligations regarding downtime, availability, and SLAs. This information helps determine what risk levels are acceptable.

\* C (Costs associated with downtime) # BIA quantifies the financial impact of system failures.

Knowing lost revenue, regulatory fines, and recovery costs helps in planning.

\* F (Critical processes) # Identifying core business processes allows an organization to prioritize recovery efforts and maintain operational continuity.

\* Why Other Options Are Incorrect:

\* A (Inventory details) # While useful for asset management, it does not directly impact business continuity planning.

\* D (Network diagrams) # These help in security architecture but are not directly related to the financial/business impact analysis.

\* E (Contingency plans) # BIA is performed before contingency planning to identify what needs protection.

### NEW QUESTION # 122

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

**Answer: A,E**

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 # 123

A security engineer wants to enhance the security posture of end-user systems in a zero trust environment. Given the following requirements:

- Reduce the ability for potentially compromised endpoints to contact C2 infrastructure.
- Track the requests that the malware makes to the IPs.

- Avoid the download of additional payloads.

Which of the following should the engineer deploy to meet these requirements?

- A. HIDS
- B. Zone transfer protection
- **C. DNS sinkholing**
- D. Browser isolation

**Answer: C**

#### NEW QUESTION # 124

A security engineer performed a code scan that resulted in many false positives. The security engineer must find a solution that improves the quality of scanning results before application deployment. Which of the following is the best solution?

- **A. Limiting the tool to a specific coding language and tuning the rule set**
- B. Using an application vulnerability scanner to identify coding flaws in production
- C. Configuring branch protection rules and dependency checks
- D. Performing updates on code libraries before code development

**Answer: A**

Explanation:

To improve the quality of code scanning results and reduce false positives, the best solution is to limit the tool to a specific coding language and fine-tune the rule set. By configuring the code scanning tool to focus on the specific language used in the application, the tool can more accurately identify relevant issues and reduce the number of false positives. Additionally, tuning the rule set ensures that the tool's checks are appropriate for the application's context, further improving the accuracy of the scan results.

Reference:

CompTIA SecurityX Study Guide: Discusses best practices for configuring code scanning tools, including language-specific tuning and rule set adjustments.

"Secure Coding: Principles and Practices" by Mark G. Graff and Kenneth R. van Wyk: Highlights the importance of customizing code analysis tools to reduce false positives.

OWASP (Open Web Application Security Project): Provides guidelines for configuring and tuning code scanning tools to improve accuracy.

#### NEW QUESTION # 125

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