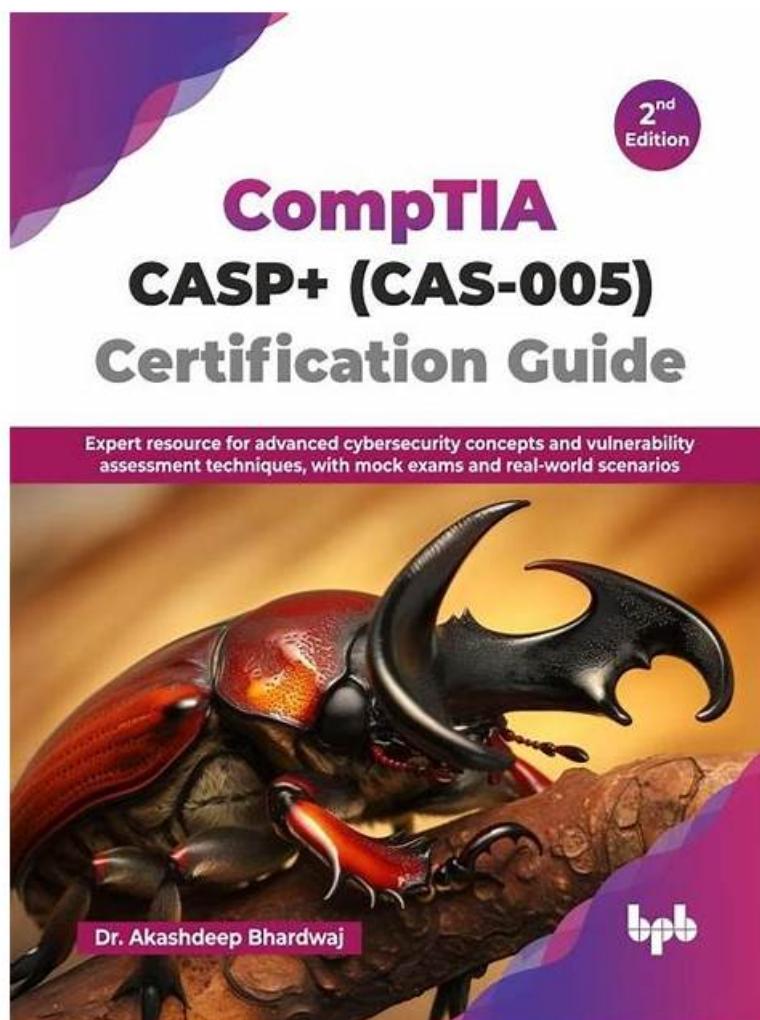


# Valid CAS-005 Mock Test, CAS-005 Interactive EBook



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## 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>• 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>

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>• 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>

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## CAS-005 Interactive EBook, Interactive CAS-005 Course

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### CompTIA SecurityX Certification Exam Sample Questions (Q158-Q163):

#### NEW QUESTION # 158

A security architect wants to develop a baseline of security configurations. These configurations automatically will be utilized machine is created. Which of the following technologies should the security architect deploy to accomplish this goal?

- A. GASB
- B. Short
- **C. Ansible**
- D. CMDB

**Answer: C**

Explanation:

To develop a baseline of security configurations that will be automatically utilized when a machine is created, the security architect should deploy Ansible.

Automation: Ansible is an automation tool that allows for the configuration, management, and deployment of applications and systems. It ensures that security configurations are consistently applied across all new machines.

Scalability: Ansible can scale to manage thousands of machines, making it suitable for large enterprises that need to maintain consistent security configurations across their infrastructure.

Compliance: By using Ansible, organizations can enforce compliance with security policies and standards, ensuring that all systems are configured according to best practices.

#### NEW QUESTION # 159

A user from the sales department opened a suspicious file attachment. The sales department then contacted the SOC to investigate a number of unresponsive systems, and the team successfully identified the file and the origin of the attack. Which of the following is the next step of the incident response plan?

- **A. Containment**
- B. Response
- C. Remediation
- D. Recovery

**Answer: A**

Explanation:

Incident response follows a standard process (e.g., NIST 800-61): Preparation, Identification, Containment, Eradication, Recovery, Lessons Learned. After identifying the attack (file and origin), the next step is Containment-limiting the spread or impact (e.g., isolating systems) before remediation or recovery.

- \* Option A: Remediation (fixing the root cause) follows containment.
- \* Option B: Correct-containment prevents further damage post-identification.
- \* Option C: "Response" is too vague; it encompasses all steps.
- \* Option D: Recovery (restoring systems) comes after containment and eradication.

**NEW QUESTION # 160**

Which of the following best explains the importance of determining organization risk appetite when operating with a constrained budget?

- A. Organizational risk appetite varies from organization to organization
- B. Risk appetite directly influences which breaches are disclosed publicly
- **C. Risk appetite directly impacts acceptance of high-impact low-likelihood events.**
- D. Budgetary pressure drives risk mitigation planning in all companies

**Answer: C**

Explanation:

Risk appetite is the amount of risk an organization is willing to accept to achieve its objectives. When operating with a constrained budget, understanding the organization's risk appetite is crucial because:

It helps prioritize security investments based on the level of risk the organization is willing to tolerate.

High-impact, low-likelihood events may be deemed acceptable if they fall within the organization's risk appetite, allowing for budget allocation to other critical areas.

Properly understanding and defining risk appetite ensures that limited resources are used effectively to manage risks that align with the organization's strategic goals.

Reference:

CompTIA Security+ Study Guide

NIST Risk Management Framework (RMF) guidelines

ISO 31000, "Risk Management - Guidelines"

**NEW QUESTION # 161**

A security analyst is troubleshooting the reason a specific user is having difficulty accessing company resources. The analyst reviews the following information:

User	Source IP	Source location	User assigned location	MFA required?	Sign-in status
SALES1	8.11.4.16	Germany	France	Yes	Blocked
SALES1	8.11.4.16	Germany	France	Yes	Blocked
ACCT1	192.168.4.18	France	France	No	Allowed
SALES1	8.11.4.16	Germany	France	Yes	Blocked
ACCT1	8.11.4.16	Germany	France	Yes	Blocked
SALES2	8.11.4.20	France	France	Yes	Allowed

Which of the following is most likely the cause of the issue?

- A. Administrator access from an alternate location is blocked by company policy
- B. The local network access has been configured to bypass MFA requirements.
- **C. A network geolocation is being misidentified by the authentication server**
- D. Several users have not configured their mobile devices to receive OTP codes

**Answer: C**

Explanation:

The table shows that the user "SALES1" is consistently blocked despite having met the MFA requirements. The common factor in these blocked attempts is the source IP address (8.11.4.16) being identified as from Germany while the user is assigned to France. This discrepancy suggests that the network geolocation is being misidentified by the authentication server, causing legitimate access

attempts to be blocked.

Why Network Geolocation Misidentification?

Geolocation Accuracy: Authentication systems often use IP geolocation to verify the location of access attempts. Incorrect geolocation data can lead to legitimate requests being denied if they appear to come from unexpected locations.

Security Policies: Company security policies might block access attempts from certain locations to prevent unauthorized access. If the geolocation is wrong, legitimate users can be inadvertently blocked.

Consistent Pattern: The user "SALES1" from the IP address 8.11.4.16 is always blocked, indicating a consistent issue with geolocation.

Other options do not align with the pattern observed:

- A . Bypass MFA requirements: MFA is satisfied, so bypassing MFA is not the issue.
- C . Administrator access policy: This is about user access, not specific administrator access.
- D . OTP codes: The user has satisfied MFA, so OTP code configuration is not the issue.

Reference:

CompTIA SecurityX Study Guide

"Geolocation and Authentication," NIST Special Publication 800-63B

"IP Geolocation Accuracy," Cisco Documentation

## NEW QUESTION # 162

A company finds logs with modified time stamps when compared to other systems. The security team decides to improve logging and auditing for incident response. Which of the following should the team do to best accomplish this goal?

- A. Rotate and back up logs every 24 hours, encrypting the backups.
- B. Change the log solution and integrate it with the existing SIEM.
- C. Integrate a file-monitoring tool with the SIEM.
- D. **Implement a central logging server, allowing only log ingestion.**

**Answer: D**

Explanation:

A central logging server ensures logs are collected in a tamper-proof manner and only ingested (not modified). This prevents attackers from altering logs locally.

Key concepts:

Logs should be centrally stored to prevent tampering.

Enabling log forwarding to a secure SIEM improves integrity.

Other options:

A (File monitoring tool) helps detect file changes but doesn't prevent log tampering.

B (Changing log solutions) does not inherently improve security.

D (Log rotation and encryption) is best practice but does not prevent modification before transmission.

Reference: CASP+ CAS-005 Official Study Guide -Security Operations and Logging

## NEW QUESTION # 163

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