# CompTIA SecurityX Certification Exam cexamkiller Praxis Dumps & CAS-005 Test Training Überprüfungen


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Wir It-Pruefung bietet Ihnen die Prüfungsfragen und Antworten zur CompTIA CAS-005 von höchster Qualität, damit Sie viel näher von Ihrem Erfolg sind. Wenn Sie noch ein paar Sorgen haben, können Sie die CAS-005 Demo durch die Webseite It-Pruefung herunterladen. Hier versprechen wir Ihnen, dass wir Ihnen noch einjähriger Aktualisierung kostenlos anbieten werden, nachdem Sie die Prüfungsfragen und Antworten zur CompTIA CAS-005 gekauft haben.

## CompTIA CAS-005 Prüfungsplan:

| Thema | Einzelheiten |
|---|---|
| Thema 1 | • 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. |
| Thema 2 | • Security Architecture: This domain focuses on analyzing requirements to design resilient systems, including the configuration of firewalls and intrusion detection systems. |
| Thema 3 | • 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. |
| Thema 4 | • 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. |

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# CAS-005 Zertifizierung, CAS-005 Deutsch Prüfungsfragen

Der Kundendienst ist ein wichtiger Standard für eine Firma und It-Pruefung bemüht sich sehr dafür. Nachdem die Kunden CompTIA CAS-005 Prüfungsunterlagen gekauft haben, geben wir ihnen rechtzeitiger Bescheid über die Aktualisierungsinformation der CompTIA CAS-005 und schicken die neueste Version per E-Mail. Dieser Aktualisierungsdienst ist innerhalb einem Jahr gratis. Wir sind getrost mit unseren Produkten. Deshalb garantieren wir, falls Sie nach dem Benutzen der CompTIA CAS-005 Prüfungsunterlagen die Prüfung nicht betehen, werden wir Ihnen mit voller Rückerstattung unser Bedauern zeigen.

## CompTIA SecurityX Certification Exam CAS-005 Prüfungsfragen mit Lösungen (Q190-Q195):

**190. Frage**
Which of the following includes best practices for validating perimeter firewall configurations?

- A. NIST CSF
- B. MITRE ATT&CK
- C. ISO 27001
- D. CIS controls

**Antwort: D**

Begründung:
The Center for Internet Security (CIS) Controls provide prescriptive best practices for validating and securing perimeter firewalls. These controls are specifically designed to offer detailed, actionable steps that organizations can follow to ensure firewall rules are configured properly, access is restricted to least privilege, and unnecessary services are disabled. CIS benchmarks also provide specific configuration guidance for different vendors, making them highly practical for real-world implementation and validation. MITRE ATT&CK (B) is a framework for adversary tactics, techniques, and procedures, valuable for threat modeling but not a direct standard for firewall validation. NIST CSF (C) provides a high-level framework for cybersecurity risk management but lacks specific configuration guidance for firewalls. ISO 27001 (D) defines an information security management system (ISMS) framework, focusing on governance and certification rather than hands-on configuration best practices.

**191. Frage**
Which of the following key management practices ensures that an encryption key is maintained within the organization?

- A. Encrypting using a key stored in an on-premises hardware security module
- B. Encrypting using a key escrow process for storage of the encryption key
- C. Encrypting using server-side encryption capabilities provided by the cloud provider
- D. Encrypting using encryption and key storage systems provided by the cloud provider

**Antwort: A**

Begründung:
Comprehensive and Detailed Step by Step Explanation:
Understanding the Scenario: The question is about ensuring that an organization retains control over its encryption keys. It focuses on different key storage and management methods.
Analyzing the Answer Choices:
A: Encrypting using a key stored in an on-premises hardware security module (HSM): This is thebest option for maintaining complete control over encryption keys. An HSM is a dedicated, tamper-resistant hardware device specifically designed for secure key storage and cryptographic operations. Storing keys on-premises within an HSM ensures the organization has exclusive access.
Reference: HSMs are a core component of strong key management practices, often discussed in CASP+ material related to cryptography and data protection.
B: Encrypting using server-side encryption capabilities provided by the cloud provider: With server-side encryption, the cloud provider typically manages the encryption keys. This means the organization is relinquishing some control over the keys.
C: Encrypting using encryption and key storage systems provided by the cloud provider: Similar to option B, using cloud-provider-managed key storage systems means the organization doesn't have full, exclusive control over the keys.
D: Encrypting using a key escrow process for storage of the encryption key: Key escrow involves entrusting a third party with a copy of the encryption key. This introduces a potential security risk, as the organization no longer has sole control over the key. Also, the key is not maintained within the organization.
Reference: Key escrow is sometimes used for data recovery, but it's generally not recommended for maintaining the highest level of

security and control over encryption keys. This is relevant to CASP+ discussions on risk assessment and key management best practices.
Why A is the Correct Answer:
Control: On-premises HSMs provide the highest level of control over encryption keys. The organization has physical and logical control over the HSM and the keys stored within it.
Security: HSMs are designed to be tamper-resistant and protect keys from unauthorized access, even if the surrounding systems are compromised.
Compliance: In some industries, regulatory requirements may mandate that organizations maintain direct control over their encryption keys. On-premises HSMs can help meet these requirements.
CASP+ Relevance: HSMs, key management, and data encryption are fundamental topics in CASP+. The exam emphasizes understanding the security implications of different key management approaches.
Elaboration on Key Management Principles:
Key LifecycleManagement: Proper key management involves managing the entire lifecycle of a key, from generation and storage to rotation and destruction.
Separation of Duties: It's generally a good practice to separate the roles of key management and data encryption to enhance security.
Access Control: Strict access controls should be in place to limit who can access and use encryption keys.
In conclusion, using an on-premises HSM for key storage is the best way to ensure that an organization maintains control over its encryption keys. It provides the highest level of security and control, aligning with best practices in cryptography and key management as emphasized in the CASP+ exam objectives.

**192. Frage**
Emails that the marketing department is sending to customers are pomp to the customers' spam folders. The security team is investigating the issue and discovers that the certificates used by the email server were reissued, but DNS records had not been updated. Which of the following should the security team update in order to fix this issue? (Select three.)

- A. SASC
- B. SOA
- C. DKIM
- D. DNSSEC
- E. MX
- F. DMARC
- G. SPF
- H. SAN

**Antwort: C,F,G**

Begründung:
To prevent emails from being marked as spam, several DNS records related to email authentication need to be properly configured and updated when there are changes to the email server's certificates:
A: DMARC (Domain-based Message Authentication, Reporting & Conformance): DMARC records help email servers determine how to handle messages that fail SPF or DKIM checks, improving email deliverability and reducing the likelihood of emails being marked as spam.
B: SPF (Sender Policy Framework): SPF records specify which mail servers are authorized to send email on behalf of your domain. Updating the SPF record ensures that the new email server is recognized as an authorized sender.
C: DKIM (DomainKeys Identified Mail): DKIM adds a digital signature to email headers, allowing the receiving server to verify that the email has not been tampered with and is from an authorized sender.
Updating DKIM records ensures that emails are properly signed and authenticated.
D: DNSSEC (Domain Name System Security Extensions): DNSSEC adds security to DNS by enabling DNS responses to be verified. While important for DNS security, it does not directly address the issue of emails being marked as spam.
E: SASC: This is not a relevant standard for this scenario.
F: SAN (Subject Alternative Name): SAN is used in SSL/TLS certificates for securing multiple domain names, not for email delivery issues.
G: SOA (Start of Authority): SOA records are used for DNS zone administration and do not directly impact email deliverability.
H: MX (Mail Exchange): MX records specify the mail servers responsible for receiving email on behalf of a domain. While important, the primary issue here is the authentication of outgoing emails, which is handled by SPF, DKIM, and DMARC.

**193. Frage**

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

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

**Antwort: B**

Begründung:
Encrypting patient data at rest ensures that sensitive information is protected from unauthorized access, thereby maintaining patient privacy. Additionally, encryption supports data portability by allowing secure transfer and storage of data across different systems and devices without compromising confidentiality. This practice is crucial for healthcare providers to comply with regulations such as the Health Insurance Portability and Accountability Act (HIPAA), which mandates the protection of patient information.

**194. Frage**
You are a security analyst tasked with interpreting an Nmap scan output from company's privileged network.
The company's hardening guidelines indicate the following:
There should be one primary server or service per device.
Only default ports should be used.
Non-secure protocols should be disabled.
INSTRUCTIONS
Using the Nmap output, identify the devices on the network and their roles, and any open ports that should be closed.
For each device found by Nmap, add a device entry to the Devices Discovered list, with the following information:
The IP address of the device
The primary server or service of the device (Note that each IP should by associated with one service/port only) The protocol(s) that should be disabled based on the hardening guidelines (Note that multiple ports may need to be closed to comply with the hardening guidelines) If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

**Antwort:**

Begründung:
10.1.45.65 SFTP Server Disable 8080
10.1.45.66 Email Server Disable 415 and 443
10.1.45.67 Web Server Disable 21, 80
10.1.45.68 UTM Appliance Disable 21

**195. Frage**
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