

Quiz 2026 CAS-005: Fantastic CompTIA SecurityX Certification Exam Valid Test Braindumps



COMPTIA SECURITYX EXAM OVERVIEW

Exam Code	CAS-005
Exam Duration	165 minutes
Number of Questions	Maximum 90 questions
Question Types	Multiple Choice & Performance-based
Passing Score	Pass/Fail only (no scaled score)
Recommended Experience	10+ years in IT (5+ years in security)
Testing Provider	Pearson VUE (Test center or online)
Launch Date	December 17, 2024
Certification Validity	3 years (renewable through continuing education)

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CompTIA SecurityX Certification Exam Sample Questions (Q142-Q147):

NEW QUESTION # 142

A security analyst received a report that an internal web page is down after a company-wide update to the web browser Given the following error message:

Which of the following is the best way to fix this issue?

- A. Disabling all deprecated ciphers
- B. Blocking all non-essential ports
- C. Discontinuing the use of self-signed certificates
- D. Rewriting any legacy web functions

Answer: C

Explanation:

The error message "NET::ERR_CERT_WEAK_SIGNATURE_ALGORITHM" indicates that the web browser is rejecting the certificate because it uses a weak signature algorithm. This commonly happens with self-signed certificates, which often use outdated or insecure algorithms.

Why Discontinue Self-Signed Certificates?

Security Compliance: Modern browsers enforce strict security standards and may reject certificates that do not comply with these standards.

Trusted Certificates: Using certificates from a trusted Certificate Authority (CA) ensures compliance with security standards and is less likely to be flagged as insecure.

Weak Signature Algorithm: Self-signed certificates might use weak algorithms like MD5 or SHA-1, which are considered insecure. Other options do not address the specific cause of the certificate error:

- A . Rewriting legacy web functions: Does not address the certificate issue.
- B . Disabling deprecated ciphers: Useful for improving security but not related to the certificate error.
- C . Blocking non-essential ports: This is unrelated to the issue of certificate validation.

Reference:

CompTIA SecurityX Study Guide

"Managing SSL/TLS Certificates," OWASP

"Best Practices for Certificate Management," NIST Special Publication 800-57

NEW QUESTION # 143

A security officer received several complaints from users about excessive MFA push notifications at night. The security team investigates and suspects malicious activities regarding user account authentication. Which of the following is the best way for the security officer to restrict MFA notifications?

- A. Deploying a text message based on MFA
- B. Enabling OTP via email
- C. Configuring prompt-driven MFA
- D. Provisioning FIDO2 devices

Answer: C

Explanation:

Excessive MFA push notifications can be a sign of an attempted push notification attack, where attackers repeatedly send MFA prompts hoping the user will eventually approve one by mistake. To mitigate this:

A: Provisioning FIDO2 devices: While FIDO2 devices offer strong authentication, they may not be practical for all users and do not directly address the issue of excessive push notifications.

B: Deploying a text message-based MFA: SMS-based MFA can still be vulnerable to similar spamming attacks and phishing.

C: Enabling OTP via email: Email-based OTPs add another layer of security but do not directly solve the issue of excessive notifications.

D: Configuring prompt-driven MFA: This option allows users to respond to prompts in a secure manner, often including features like time-limited approval windows, additional verification steps, or requiring specific actions to approve. This can help prevent users from accidentally approving malicious attempts.

Configuring prompt-driven MFA is the best solution to restrict unnecessary MFA notifications and improve security.

NEW QUESTION # 144

A security engineer needs to review the configurations of several devices on the network to meet the following requirements:

* The PostgreSQL server must only allow connectivity in the 10.1.2.0/24 subnet.

* The SSH daemon on the database server must be configured to listen to port 4022.

* The SSH daemon must only accept connections from a single workstation.

* All host-based firewalls must be disabled on all workstations.

* All devices must have the latest updates from within the past eight days.

* All HDDs must be configured to secure data at rest.

* Cleartext services are not allowed.

* All devices must be hardened when possible.

Instructions:

Click on the various workstations and network devices to review the posture assessment results. Remediate any possible issues or indicate that no issue is found.

Click on Server A to review output data. Select commands in the appropriate tab to remediate connectivity problems to the POSTGREsql DATABASE VIA ssh

WAP A

PC A

Laptop A

Switch A

Switch B:

Laptop B

PC B

PC C

Server A

Answer:

Explanation:

See the Explanation below for the solution.

Explanation:

WAP A: No issue found. The WAP A is configured correctly and meets the requirements.

PC A = Enable host-based firewall to block all traffic

This option will turn off the host-based firewall and allow all traffic to pass through. This will comply with the requirement and also improve the connectivity of PC A to other devices on the network. However, this option will also reduce the security of PC A and make it more vulnerable to attacks. Therefore, it is recommended to use other security measures, such as antivirus, encryption, and password complexity, to protect PC A from potential threats.

Laptop A: Patch management

This option will install the updates that are available for Laptop A and ensure that it has the most recent security patches and bug fixes. This will comply with the requirement and also improve the performance and stability of Laptop A. However, this option may also require a reboot of Laptop A and some downtime during the update process. Therefore, it is recommended to backup any important data and close any open applications before applying the updates.

Switch A: No issue found. The Switch A is configured correctly and meets the requirements.

Switch B: No issue found. The Switch B is configured correctly and meets the requirements.

Laptop B: Disable unneeded services

This option will stop and disable the telnet service that is using port 23 on Laptop B. Telnet is a cleartext service that transmits data in plain text over the network, which exposes it to eavesdropping, interception, and modification by attackers. By disabling the telnet service, you will comply with the requirement and also improve the security of Laptop B. However, this option may also affect the functionality of Laptop B if it needs to use telnet for remote administration or other purposes. Therefore, it is recommended to use a secure alternative to telnet, such as SSH or HTTPS, that encrypts the data in transit.

PC B: Enable disk encryption

This option will encrypt the HDD of PC B using a tool such as BitLocker or VeraCrypt. Disk encryption is a technique that protects data at rest by converting it into an unreadable format that can only be decrypted with a valid key or password. By enabling disk encryption, you will comply with the requirement and also improve the confidentiality and integrity of PC B's data. However, this option may also affect the performance and usability of PC B, as it requires additional processing time and user authentication to access the encrypted data. Therefore, it is recommended to backup any important data and choose a strong key or password before encrypting the disk.

PC C: Disable unneeded services

This option will stop and disable the SSH daemon that is using port 22 on PC C. SSH is a secure service that allows remote access and command execution over an encrypted channel. However, port 22 is the default and well-known port for SSH, which makes it a common target for brute-force attacks and port scanning. By disabling the SSH daemon on port 22, you will comply with the requirement and also improve the security of PC C. However, this option may also affect the functionality of PC C if it needs to use SSH for remote administration or other purposes. Therefore, it is recommended to enable the SSH daemon on a different port, such as 4022, by editing the configuration file using the following command:

`sudo nano /etc/ssh/sshd_config`

Server A. Need to select the following:

A black and white screen with white text Description automatically generated

NEW QUESTION # 145

A company migrated a critical workload from its data center to the cloud. The workload uses a very large data set that requires computational-intensive data processing. The business unit that uses the workload is projecting the following growth pattern:

- Storage requirements will double every six months.
- Computational requirements will fluctuate throughout the year.
- Average computational requirements will double every year.

Which of the following should the company do to address the business unit's requirements?

- A. Implement a load balancer for computing and storage resources.
- B. **Plan for a horizontally scaling computing and storage infrastructure.**
- C. Combine compute and storage in vertically autoscaling mode.
- D. Deploy a cloud-based CDN for storage and a load balancer for compute.

Answer: B

NEW QUESTION # 146

After several companies in the financial industry were affected by a similar incident, they shared information about threat intelligence and the malware used for exploitation. Which of the following should the companies do to best indicate whether the attacks are being conducted by the same actor?

- A. Use IOC extractions.
- B. **Apply code stylometry.**
- C. Look for common IOCs.
- D. Leverage malware detonation.

Answer: B

Explanation:

Comprehensive and Detailed Explanation:

Determining if attacks are from the same actor requires unique attribution. Let's analyze:

- * A. Code stylometry: Analyzes coding style to identify authorship, the best method for linking malware to a specific actor per CAS-005's threat intelligence focus.
- * B. Common IOCs: Indicates similar attacks but not necessarily the same actor.
- * C. IOC extractions: Similar to B, lacks specificity for attribution.

Reference: CompTIA SecurityX (CAS-005) objectives, Domain 2: Security Operations, covering threat intelligence.

NEW QUESTION # 147

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