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In general, we can say that the CAS-005 certification can be a valuable investment in your career that will put your career on the right track and you can achieve your career objectives in a short time period. These are some important benefits that you can gain after passing the CompTIA CAS-005 Certification Exam. Are you ready to pass the CAS-005 exam? Looking for a simple, quick, and proven way to pass the CompTIA CAS-005 Exam Questions? If your answer is yes then download Actual4test exam questions and start this journey today.

CompTIA CAS-005 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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	• Security Architecture: This domain focuses on analyzing requirements to design resilient systems, including the configuration of firewalls and intrusion detection systems.
Topic 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.

>> CAS-005 Lab Questions <<

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CompTIA SecurityX Certification Exam Sample Questions (Q146-Q151):

NEW QUESTION # 146
During a gap assessment, an organization notes that BYOD usage is a significant risk. The organization implemented administrative policies prohibiting BYOD usage. However, the organization has not implemented technical controls to prevent the unauthorized use of BYOD assets when accessing the organization's resources. Which of the following solutions should the organization implement to best reduce the risk of BYOD devices? (Choose two.)

- A. PAM. to enforce local password policies
- B. DLP, to enforce data protection capabilities
- C. Conditional access, to enforce user-to-device binding
- D. SD-WAN. to enforce web content filtering through external proxies
- E. Cloud IAM to enforce the use of token based MFA
- F. NAC, to enforce device configuration requirements

Answer: C,F

Explanation:
To reduce the risk of unauthorized BYOD (Bring Your Own Device) usage, the organization should implement Conditional Access and Network Access Control (NAC).
Why Conditional Access and NAC?
Conditional Access:
User-to-Device Binding: Conditional access policies can enforce that only registered and compliant devices are allowed to access corporate resources.
Context-Aware Security: Enforces access controls based on the context of the access attempt, such as user identity, device compliance, location, and more.
Network Access Control (NAC):
Device Configuration Requirements: NAC ensures that only devices meeting specific security configurations are allowed to connect to the network.
Access Control: Provides granular control over network access, ensuring that BYOD devices comply with security policies before gaining access.

NEW QUESTION # 147
An organization receives OSINT reports about an increase in ransomware targeting fileshares at peer companies. The organization wants to deploy hardening policies to its servers and workstations in order to contain potential ransomware. Which of the following should an engineer do to best achieve this goal?

- A. Enable biometric authentication mechanisms on user workstations and block port 53 traffic.
- B. Give users permission to rotate administrator passwords and deny port 80 traffic.
- C. Allow only interactive log-in for users on workstations and restrict port 445 traffic to fileshares.
- D. Instruct users to use a password manager when generating new credentials and secure port 443 traffic.

Answer: C

NEW QUESTION # 148
A software company deployed a new application based on its internal code repository Several customers are reporting anti-malware alerts on workstations used to test the application Which of the following is the most likely cause of the alerts?

- A. Unsecure bundled libraries
- B. Misconfigured code commit
- C. Data leakage

- D. Invalid code signing certificate

Answer: A

Explanation:
The most likely cause of the anti-malware alerts on customer workstations is unsecure bundled libraries.
When developing and deploying new applications, it is common for developers to use third-party libraries. If these libraries are not properly vetted for security, they can introduce vulnerabilities or malicious code.
Why Unsecure Bundled Libraries?
Third-Party Risks: Using libraries that are not secure can lead to malware infections if the libraries contain malicious code or vulnerabilities.
Code Dependencies: Libraries may have dependencies that are not secure, leading to potential security risks.
Common Issue: This is a frequent issue in software development where libraries are used for convenience but not properly vetted for security.
Other options, while relevant, are less likely to cause widespread anti-malware alerts:
A: Misconfigured code commit: Could lead to issues but less likely to trigger anti-malware alerts.
C: Invalid code signing certificate: Would lead to trust issues but not typically anti-malware alerts.
D: Data leakage: Relevant for privacy concerns but not directly related to anti-malware alerts.

NEW QUESTION # 149
A security analyst wants to use lessons learned from a poor incident response to reduce dwell lime in the future The analyst is using the following data points

User	Site visited	HTTP method	Filter status	Traffic status	Alert status
account1	tools.com	GET	Allowed	Allowed	No
admin1	hacking.com	GET	Allowed	Allowed	Yes
account5	payroll.com	GET	Allowed	Allowed	No
account2	p4yr011.com	GET	Blocked	Blocked	No
account2	p4yr011.com	POST	Blocked	Blocked	No
account2	139.40.29.21	POST	Allowed	Allowed	No
account5	payroll.com	GET	Allowed	Allowed	No

Which of the following would the analyst most likely recommend?

- A. utilizing allow lists on the WAF for all users using GFT methods
- B. Enabling alerting on all suspicious administrator behavior
- C. Adjusting the SIEM to alert on attempts to visit phishing sites
- D. Allowing TRACE method traffic to enable better log correlation

Answer: B

Explanation:
In the context of improving incident response and reducing dwell time, the security analyst needs to focus on proactive measures that can quickly detect and alert on potential security breaches. Here's a detailed analysis of the options provided:
A: Adjusting the SIEM to alert on attempts to visit phishing sites: While this is a useful measure to prevent phishing attacks, it primarily addresses external threats and doesn't directly impact dwell time reduction, which focuses on the time a threat remains undetected within a network.
B: Allowing TRACE method traffic to enable better log correlation: The TRACE method in HTTP is used for debugging purposes, but enabling it can introduce security vulnerabilities. It's not typically recommended for enhancing security monitoring or incident response.
C: Enabling alerting on all suspicious administrator behavior: This option directly targets the potential misuse of administrator accounts, which are often high-value targets for attackers. By monitoring and alerting on suspicious activities from admin accounts, the organization can quickly identify and respond to potential breaches, thereby reducing dwell time significantly. Suspicious behavior could include unusual login times, access to sensitive data not usually accessed by the admin, or any deviation from normal behavior patterns.
This proactive monitoring is crucial for quick detection and response, aligning well with best practices in incident response.
D: Utilizing allow lists on the WAF for all users using GET methods: This measure is aimed at restricting access based on allowed lists, which can be effective in preventing unauthorized access but doesn't specifically address the need for quick detection and response to internal threats.
References:
* CompTIA SecurityX Study Guide: Emphasizes the importance of monitoring and alerting on admin activities as part of a robust incident response plan.

* NIST Special Publication 800-61 Revision 2, "Computer Security Incident Handling Guide": Highlights best practices for incident response, including the importance of detecting and responding to suspicious activities quickly.
* "Incident Response & Computer Forensics" by Jason T. Luttgens, Matthew Pepe, and Kevin Mandia:
Discusses techniques for reducing dwell time through effective monitoring and alerting mechanisms, particularly focusing on privileged account activities.
By focusing on enabling alerting for suspicious administrator behavior, the security analyst addresses a critical area that can help reduce the time a threat goes undetected, thereby improving the overall security posture of the organization.
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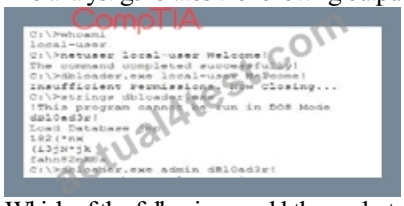
NEW QUESTION # 150
Recent repents indicate that a software tool is being exploited Attackers were able to bypass user access controls and load a database. A security analyst needs to find the vulnerability and recommend a mitigation.
The analyst generates the following output:



Which of the following would the analyst most likely recommend?

- A. Removing hard coded credentials from the source code
- B. Adding additional time to software development to perform fuzz testing
- C. Not allowing users to change their local passwords
- D. Installing appropriate EDR tools to block pass-the-hash attempts

Answer: A

Explanation:
The output indicates that the software tool contains hard-coded credentials, which attackers can exploit to bypass user access controls and load the database. The most likely recommendation is to remove hard-coded credentials from the source code. Here's why:
* Security Best Practices: Hard-coded credentials are a significant security risk because they can be easily discovered through reverse engineering or simple inspection of the code. Removing them reduces the risk of unauthorized access.
* Credential Management: Credentials should be managed securely using environment variables, secure vaults, or configuration management tools that provide encryption and access controls.
* Mitigation of Exploits: By eliminating hard-coded credentials, the organization can prevent attackers from easily bypassing authentication mechanisms and gaining unauthorized access to sensitive systems.
* References:
* CompTIA Security+ SY0-601 Study Guide by Mike Chapple and David Seidl
* OWASP Top Ten: Insecure Design
* NIST Special Publication 800-53: Security and Privacy Controls for Information Systems and Organizations

NEW QUESTION # 151
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