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One of the key benefits of the CompTIA CASP+ certification is that it is recognized globally by employers and government agencies as a benchmark for advanced-level security skills and knowledge. IT professionals who hold the CASP+ certification are in high demand, and they can command higher salaries and better job opportunities. CompTIA Advanced Security Practitioner (CASP+) Exam certification is also a stepping stone to other advanced-level security certifications, such as the CISSP and the CISM.

The CompTIA CAS-004 Exam Format consists of multiple-choice and performance-based questions. The performance-based questions simulate real-world scenarios and require candidates to demonstrate their skills in solving security problems. CAS-004 exam duration is 165 minutes, and the passing score is 750 on a scale of 100-900. CAS-004 exam fee is \$466, and candidates can take the exam at Pearson VUE testing centers worldwide.

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Sample CAS-004 Questions - CAS-004 Updated Demo

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What is the Certification Path of CompTIA CAS-004 Exam

The CompTIA Advanced Security Practitioner certification (CAS-004) is a validation of knowledge and skills required of a senior-level IT security professional to establish, implement, maintain and continuously monitor an organization's security program. The exam validates the hands-on skills required of seasoned professionals who have experience in network administration, risk management and compliance these types of questions also covered in **CompTIA CAS-004 exam dumps**. CompTIA CAS-004 Certification is the first step toward a career in information security, and provides a comprehensive knowledge base to make informed decisions and develop security policies and procedures that meet the needs of an enterprise.

The CompTIA CAS-004 certification is based on the information security foundation concepts provided by the organization. Current reviewing guides are available for the CompTIA Network+ certification. Computing environment regulations like the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) are updated in the different countries. Readiness roles focus on giving people the skills needed to prepare for, perform and succeed in a mission-critical environment. Integrate mobility centre in your IT infrastructure. Transferred frameworks infrastructure automation logon are available for free. The

Transferred framework is an open source platform that allows the user to deploy, manage, and maintain secure remote workforce engagement solutions. Pool activities buffer pooling. Potential tenancy domain constantly changes, and this impacts your data.

CompTIA Advanced Security Practitioner (CASP+) Exam Sample Questions (Q214-Q219):

NEW QUESTION # 214

An enterprise is deploying APIs that utilize a private key and a public key to ensure the connection string is protected. To connect to the API, customers must use the private key.

Which of the following would BEST secure the REST API connection to the database while preventing the use of a hard-coded string in the request string?

- A. Sign the key with DSA.
- **B. Utilize HMAC for the keys.**
- C. Implement a VPN for all APIs.
- D. Deploy MFA for the service accounts.

Answer: B

Explanation:

Explanation

Utilizing HMAC (hash-based message authentication code) for the keys is the best option for securing the REST API connection to the database while preventing the use of a hard-coded string in the request string.

HMAC is a technique that uses a secret key and a hash function to generate a code that can verify the authenticity and integrity of a message, preventing unauthorized modifications or tampering. Utilizing HMAC for the keys can prevent the use of a hard-coded string in the request string, as it can dynamically generate a unique code for each request based on the secret key and the message content, making it difficult to forge or replay. Implementing a VPN (virtual private network) for all APIs is not a good option for securing the REST API connection to the database, as it could introduce latency or performance issues for API requests, as well as not prevent the use of a hard-coded string in the request string. Signing the key with DSA (Digital Signature Algorithm) is not a good option for securing the REST API connection to the database, as it could be vulnerable to attacks or forgery if the key is compromised or weak, as well as not prevent the use of a hard-coded string in the request string. Deploying MFA (multi-factor authentication) for the service accounts is not a good option for securing the REST API connection to the database, as it could affect the usability or functionality of API requests, as well as not prevent the use of a hard-coded string in the request string.

Verified References: <https://www.comptia.org/blog/what-is-hmac>

<https://partners.comptia.org/docs/default-source/resources/casp-content-guide>

NEW QUESTION # 215

A pharmaceutical company uses a cloud provider to host thousands of independent resources in object storage. The company needs a practical and effective means of discovering data, monitoring changes, and identifying suspicious activity. Which of the following would best meet these requirements?

- A. A file integrity monitoring service
- B. A cloud configuration assessment and compliance service
- **C. A machine-learning-based data security service**
- D. An automated data classification system

Answer: C

Explanation:

A machine-learning-based data security service would best meet the pharmaceutical company's requirements to discover data, monitor changes, and identify suspicious activity across thousands of independent resources in cloud object storage. Machine learning can analyze vast amounts of data, detect patterns, and alert administrators to anomalies or suspicious activities without manual intervention. Traditional file integrity monitoring or data classification might not scale well or adapt dynamically to the complexity and size of the company's environment. CASP+ highlights the use of advanced technologies like machine learning for cloud security and monitoring.

References:

* CASP+ CAS-004 Exam Objectives: Domain 2.0 - Enterprise Security Operations (Machine Learning for Security)

* CompTIA CASP+ Study Guide: Cloud Security Monitoring with Machine Learning

NEW QUESTION # 216

Device event logs sources from MDM software as follows:

Device	Date/Time	Location	Event	Description
ANDROID_1022	01JAN21 0255	39.9072N, 77.0369W	PUSH	APPLICATION 1220 INSTALL QUEUED
ANDROID_1022	01JAN21 0301	39.9072N, 77.0369W	INVENTORY	APPLICATION 1220 ADDED
ANDROID_1022	01JAN21 0701	39.0067N, 77.4291W	CHECK-IN	NORMAL
ANDROID_1022	01JAN21 0701	25.2854N, 51.5310E	CHECK-IN	NORMAL
ANDROID_1022	01JAN21 0900	39.0067N, 77.4291W	CHECK-IN	NORMAL
ANDROID_1022	01JAN21 1030	39.0067N, 77.4291W	STATUS	LOCAL STORAGE REPORTING 85% FULL

Which of the following security concerns and response actions would BEST address the risks posed by the device in the logs?

- A. Falsified status reporting; remotely wipe the device.
- B. Resource leak; recover the device for analysis and clean up the local storage.
- C. Malicious installation of an application; change the MDM configuration to remove application ID 1220.
- **D. Impossible travel; disable the device's account and access while investigating.**

Answer: D

Explanation:

The device event logs show that the device was in two different locations (New York and London) within a short time span (one hour), which indicates impossible travel. This could be a sign of a compromised device or account. The best response action is to disable the device's account and access while investigating the incident. Malicious installation of an application is not evident from the logs, nor is resource leak or falsified status reporting. Verified References: <https://www.comptia.org/blog/what-is-impossible-travel> <https://partners.comptia.org/docs/default-source/resources/casp-content-guide>

NEW QUESTION # 217

Which of the following represents the MOST significant benefit of implementing a passwordless authentication solution?

- A. Biometric authenticators are immutable.
- B. Privacy risks are minimized.
- C. Zero trust is achieved.
- **D. The likelihood of account compromise is reduced.**

Answer: D

NEW QUESTION # 218

A recent batch of bug bounty findings indicates a systematic issue related to directory traversal. A security engineer needs to prevent flawed code from being deployed into production. Which of the following is the best mitigation strategy for the engineer?

- A. Leveraging a dynamic application security testing tool to uncover issues related to directory traversal
- B. Using a software composition analysis tool to look for directory traversal issues in the application
- **C. Implementing static code analysis testing into the CI/CD pipeline and blocking based on findings**
- D. Setting up secure development training with a focus on filesystem access issues
- E. Developing a secure library for filesystem access and blocking builds that do not use the library

Answer: C

NEW QUESTION # 219

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