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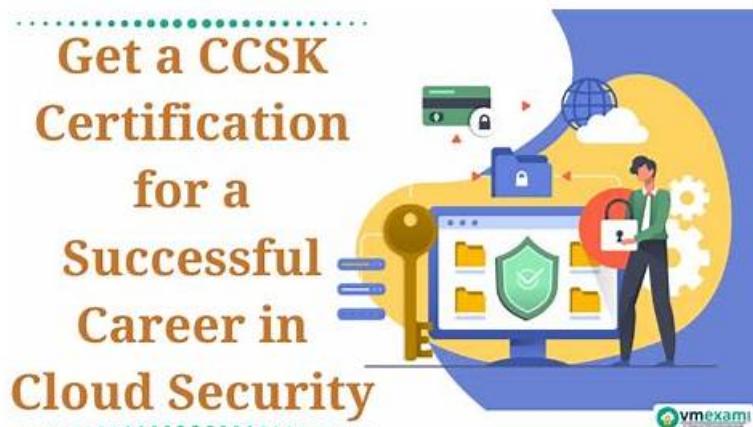
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Cloud Security Alliance (CSA) is a non-profit organization that is dedicated to promoting best practices for security in cloud computing. As part of its efforts, the CSA has developed the Certificate of Cloud Security Knowledge (CCSK) Certification Exam. The CCSK exam is designed to test an individual's knowledge and understanding of cloud security principles and best practices, providing a way for professionals to demonstrate their expertise in the field.

Cloud Security Alliance CCSK, or the Certificate of Cloud Security Knowledge, is a widely recognized certification program that verifies the knowledge and expertise of professionals in cloud security. The latest version of the program, CCSK v4.0, is designed to keep up with the rapidly evolving cloud computing industry and the latest security threats and practices. The CCSK certification is a valuable asset for IT professionals looking to advance their careers in cloud computing and security.

>> Certification CCSK Questions <<

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Cloud Security Alliance (CSA) is a non-profit organization that is committed to promoting the use of best practices for providing security assurance in cloud computing. The CSA has developed a comprehensive and vendor-neutral certification program called the Certificate of Cloud Security Knowledge (CCSK) to help organizations and professionals in the IT industry gain a better understanding of cloud security concepts and best practices.

Cloud Security Alliance Certificate of Cloud Security Knowledge v5 (CCSKv5.0) Sample Questions (Q67-Q72):

NEW QUESTION # 67
Which one of the following is NOT a level of CSA star program?

- A. Self-assessment
- B. Continuous-monitoring program
- C. Technology Audit program
- D. Third-party attestation

Answer: C

Explanation:
"Technology Audit Program" is not one of the levels of CSA star program The three levels of CSA Star program are
1) Self Assessment
2) Third-party Attestment
3) Continuous Monitoring program

NEW QUESTION # 68
Which aspect is most important for effective cloud governance?

- A. Implementing best-practice cloud security control objectives
- B. Establishing a governance hierarchy
- C. Formalizing cloud security policies
- D. Negotiating SLAs with cloud providers

Answer: B

Explanation:
A governance hierarchy provides a structured approach to managing cloud services, ensuring policies and controls are effectively enforced. Reference: [Security Guidance v5, Domain 2 - Cloud Governance]

NEW QUESTION # 69
Which of the following is NOT a component of Software Defined Perimeter as defined by Cloud Security Alliance Working group on SDP?

- A. SDP Gateway
- B. SDP Client
- C. SDP Controller
- D. SDP Host

Answer: D

Explanation:
The CSA Software Defined Perimeter Working Group has developed a model and specification that combines device and user authentication to dynamically provision network access to resources and enhance security. SDP includes three components:
An SDP client on the connecting asset (e.g. a laptop).
* The SDP controller for authenticating and authorizing SDP clients and configuring the connections to SDP gateways.
* The SDP gateway for terminating SDP client network traffic and enforcing policies in communication with the SDP controller.
Reference: CSA Security GuidelinesV.4(reproduced here for the educational purpose)

NEW QUESTION # 70
What is an essential security characteristic required when using multi-tenanttechnologies?

- A. Abstraction and automation
- B. Resource pooling
- C. Limited resource allocation
- D. Segmented and segregated customer environments

Answer: D

Explanation:

In multi-tenant technologies, the fundamental security requirement issegmented and segregated customer environments. Multi-tenancy means that multiple customers (tenants) share the same physical or virtual infrastructure while maintaining logical separation to prevent data leakage and unauthorized access between tenants.

To ensure security and compliance in multi-tenant environments, providers implement:

Network segmentation (VLANs, Virtual Private Clouds)

Isolation mechanisms (such as virtual firewalls and access control lists) Data isolation through encryption and access controls

Hypervisor-based isolation in virtualized environments The goal is to create stronglogical isolationbetween tenants to mitigate risks likedata leakage, guest-hopping attacks, and unauthorized access.

Why Other Options Are Incorrect:

B . Limited resource allocation:While resource limits may help performance management, they do not inherently ensure security in multi-tenant settings.

C . Resource pooling:Though fundamental to cloud computing, it does not address the isolation needed for secure multi-tenancy.

D . Abstraction and automation:These are key elements in cloud computing but do not directly address multi-tenant security.

Reference:

CSA Security Guidance v4.0, Domain 7: Infrastructure Security

Cloud Computing Security Risk Assessment (ENISA) - Isolation Failure

Cloud Controls Matrix (CCM) v3.0.1 - Infrastructure and Virtualization Security Domain

NEW QUESTION # 71

What is a key benefit of using customer-managed encryption keys with cloud key management service (KMS)?

- A. Customers retain control over their encryption keys
- B. It reduces the computational load on the cloud service provider
- C. Customers can bypass the need for encryption
- D. Customers can share their encryption keys more easily

Answer: A

Explanation:

The correct answer isB. Customers retain control over their encryption keys.

Usingcustomer-managed encryption keys (CMEK)with a cloudKey Management Service (KMS)allows the customer toretain full control over the encryption keysused to encrypt their data. This is crucial in maintaining data sovereignty, privacy, and compliance with regulatory requirements.

Key Benefits of Customer-Managed Encryption Keys:

Key Ownership and Control:Unlike cloud provider-managed keys, CMEK ensures that the customer has full authority over the key's lifecycle, including creation, rotation, and deletion.

Enhanced Security:Customers can enforce strict access controls and audit who accesses the keys.

Compliance:Many regulations (like GDPR or HIPAA) mandate that data owners maintain control over encryption keys.

Data Privacy:Even though the data is stored on the cloud, the provider cannot access unencrypted data without the customer's permission.

Flexibility:Customers can choose when to revoke or rotate keys, which directly impacts data availability and access.

Why Other Options Are Incorrect:

A . Bypass the need for encryption:CMEK does not eliminate the need for encryption; it strengthens it by giving customers direct control.

C . Share encryption keys more easily:Sharing encryption keys can increase security risks, and CMEK is designed to restrict, not ease, key sharing.

D . Reduces computational load on the cloud service provider:CMEK does not impact the computational load. It focuses on key management and control rather than reducing processing overhead.

Real-World Example:

InAWS KMS, using CMEK allows customers to bring their own keys (BYOK) and manage them directly through AWS Key Management Service. Similar practices exist inGoogle Cloud KMSandAzure Key Vault, where customers can generate and control their own encryption keys.

Practical Use Case:

A healthcare provider using a cloud service to store patient records may use CMEK to ensure that sensitive data is encrypted under keys they control, ensuring compliance with regulations likeHIPAA.

Reference:

CSA Security Guidance v4.0, Domain 11: Data Security and Encryption

Cloud Computing Security Risk Assessment (ENISA) - Key Management and Encryption Cloud Controls Matrix (CCM) v3.0.1 - Data Protection and Encryption Domain

NEW QUESTION # 72

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