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Cloud Security Alliance CCSK Certificate Of Cloud Security Knowledge

**Questions & Answers PDF
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Cloud Security Alliance CCSK (Certificate of Cloud Security Knowledge) certification exam is a globally recognized certification that validates an individual's knowledge of cloud security. Certificate of Cloud Security Knowledge v5 (CCSK v5.0) certification is designed for IT professionals, security professionals, and business leaders who want to demonstrate their expertise in cloud security. The CCSK certification exam is based on the Cloud Security Alliance's best practices and guidelines for cloud computing.

The CCSK Certification Exam is updated regularly to reflect the latest developments in cloud security. The current version, CCSK v4.0, covers a wide range of topics related to cloud security, including cloud architecture, data security, identity and access management, compliance, and legal issues. CCSK exam consists of 60 multiple-choice questions and must be completed within 90 minutes.

>> Reliable CCSK Test Syllabus <<

Exam Cloud Security Alliance CCSK Sample, Valid CCSK Test Guide

The Cloud Security Alliance CCSK certification is important for those who desire to advance their careers in the tech industry. They are also aware that receiving this certificate requires passing the Cloud Security Alliance CCSK exam. Due to poor study material choices, many of these test takers are still unable to receive the Cloud Security Alliance CCSK credential.

Cloud Security Alliance Certificate of Cloud Security Knowledge v5 (CCSKv5.0) Sample Questions (Q96-Q101):

NEW QUESTION # 96

Which tool is most effective for ensuring compliance and identifying misconfigurations in cloud management planes?

- A. SaaS Security Posture Management (SSPM)
- B. Data Security Posture Management (DSPM)
- **C. Cloud Security Posture Management (CSPM)**
- D. Cloud Detection and Response (CDR)

Answer: C

Explanation:

The correct answer is D. Cloud Security Posture Management (CSPM).

Cloud Security Posture Management (CSPM) is a comprehensive tool designed to identify and remediate misconfigurations and compliance violations in cloud management planes. It helps organizations maintain secure and compliant cloud environments by continuously monitoring configurations against industry standards and best practices.

Key Functions of CSPM:

- * Configuration Management: Identifies misconfigurations and alerts administrators to fix them.
- * Compliance Monitoring: Continuously assesses cloud environments against compliance frameworks such as CIS, NIST, GDPR, and others.
- * Automated Remediation: Automatically fixes known configuration errors based on predefined policies.
- * Visibility: Provides a comprehensive view of security and compliance risks across multi-cloud environments.
- * Risk Assessment: Analyzes risks related to identity, data exposure, and network configurations.

Why CSPM is Most Effective:

Cloud environments are dynamic, and maintaining secure configurations is challenging. CSPM solutions like AWS Config, Azure Security Center, and Google Cloud Security Command Center automate the process of checking for security policy violations and configuration drift.

Why Other Options Are Incorrect:

- * A. Data Security Posture Management (DSPM): Focuses on data security, data loss prevention, and data governance, rather than configuration and compliance management.
- * B. SaaS Security Posture Management (SSPM): Specifically targets SaaS applications, managing security settings and compliance of cloud-based software rather than infrastructure.
- * C. Cloud Detection and Response (CDR): Focuses on threat detection and incident response rather than configuration management and compliance.

Real-World Example:

A CSPM tool like Palo Alto Prisma Cloud or AWS Config can automatically detect if IAM policies are overly permissive or if S3 buckets are publicly accessible, helping to maintain compliance and reduce attack surfaces.

References:

CSA Security Guidance v4.0, Domain 4: Compliance and Audit Management

Cloud Computing Security Risk Assessment (ENISA) - Cloud Security Monitoring Cloud Controls Matrix (CCM) v3.0.1 - Cloud Configuration Management Domain

NEW QUESTION # 97

Which of the following is not one of the essential characteristics as defined by NIST 800-145?

- A. Rapid Elasticity
- **B. On-demand Shelf service**
- C. Resource Pooling
- D. Broad Network Access

Answer: B

Explanation:

The key characteristic is on-demand self-service and not shelf' service.

NEW QUESTION # 98

A cloud storage architecture that caches content close to locations of high demand is known as:

- A. Block Data
- **B. Content Delivery Network(CDN)**
- C. Volume Data
- D. Ephemeral Storage

Answer: B

Explanation:

A content delivery network(CDN) is a system of distributed servers(network) that deliver pages and other Web content to a user. based on the geographic locations of the user. the origin of the webpage and the content delivery server.

NEW QUESTION # 99

What is a PRIMARY cloud customer responsibility when managing SaaS applications in terms of security and compliance?

- A. Providing training sessions for staff on using SaaS tools
- **B. Evaluating the security measures and compliance requirements**
- C. Managing the financial costs of SaaS subscriptions
- D. Generating logs within the SaaS applications

Answer: B

Explanation:

Cloud customers are responsible for assessing the security and compliance of SaaS applications, ensuring these align with internal policies and regulations. Reference: [CCSK v5 Overview, Shared Responsibility Model]

NEW QUESTION # 100

What is the primary function of a Load Balancer Service in a Software Defined Network (SDN) environment?

- A. To encrypt data for secure transmission
- B. To create isolated virtual networks
- **C. To distribute incoming network traffic across multiple destinations**
- D. To monitor network performance and activity

Answer: C

Explanation:

The correct answer is C. To distribute incoming network traffic across multiple destinations.

A Load Balancer Service in an SDN environment is responsible for efficiently distributing network traffic across multiple servers or instances. This ensures high availability, reliability, and optimized resource usage.

Key Functions:

Traffic Distribution: Balances incoming requests to various servers based on predefined algorithms (round-robin, least connections, etc.).

High Availability: Prevents server overload and reduces downtime by distributing workload.

Scalability: Automatically adjusts as the number of requests or available resources changes.

Health Monitoring: Continually checks server availability and responsiveness to avoid directing traffic to non-responsive instances.

Why Other Options Are Incorrect:

A . Isolated virtual networks: Creating isolated networks is a function of network virtualization, not load balancing.

B . Monitor network performance: Monitoring is done by network monitoring tools, not load balancers.

D . Encrypt data for secure transmission: Encryption is handled by security protocols like TLS/SSL, not load balancers.

Real-World Example:

Services like AWS Elastic Load Balancer (ELB) and Azure Load Balancer ensure that traffic is distributed efficiently across instances, maintaining performance and uptime.

Cloud Computing Security Risk Assessment (ENISA) - SDN and Load Balancing Cloud Controls Matrix (CCM) v3.0.1 - Network and Infrastructure Domains

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