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CCSK Practice Quiz

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Sample: CCSK Test Prep Program

1. Which essential characteristic enables greater use of immutable infrastructure? (select the best answer)

1. Broad network access
2. Elasticity
3. Measured service
4. On-demand self-service
5. Resource Pooling

The best answer is Elasticity. Although on-demand self-service plays a critical role in enabling the elasticity, page 109 of the guidance states "Elasticity enables greater use of immutable infrastructure."

2. Containers provide security isolation.

1. True
2. False

This statement is false. Guidance page 98 states: "Containers don't necessarily provide full security isolation, but they do provide task segregation." Virtual machines typically do provide security isolation. Putting tasks of equivalent security context on the same set of physical or virtual hosts will provide greater security segregation.

3. What relevant industry best practices can be used to develop a cloud governance framework?

1. Cloud Controls Matrix (CCM)
2. ANSI x9.69
3. EU GDPR
4. RFC 2022
5. A and C

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our CCSK study materials will also save your time and energy in well-targeted learning as we are going to make everything done in order that you can stay focused in learning our CCSK study materials without worries behind. We are so honored and pleased to be able to read our detailed introduction and we will try our best to enable you a better understanding of our CCSK Study Materials better.

How to study the Certificate of Cloud Security Knowledge (CCSK) Exam

The CSA Security Guidelines for Sensitive Areas of Focus in Cloud Computing v4, English edition, ENISA Report 'Cloud Computing: Advantages, Threats and Recommendations for Information Security' is the body of knowledge for the CCSK review.

Several resources are available for study. To get a solid understanding of the course contents, we recommend checking out the **CCSK exam dumps** available at the certificate-questions website that can be accessed via the link at the bottom of this document. The CSA Security Guidance can be accessed from here and is the definitive guide to keeping the cloud safe for your company. As an ever-evolving technology, the rise of cloud computing brings with it a range of opportunities and challenges. This paper offers both guidance and encouragement to support business objectives while managing and minimizing the risks associated with cloud computing technology adoption. This new edition covers developments in cloud, security, and technology support; focuses on cloud security activities in the real world; integrates the latest CSA research projects; and provides guidelines for relevant technologies.

The Cloud Controls Matrix (CCM) can be accessed from here. The CSA Cloud Controls Matrix (CCM) offers a comprehensive understanding of the concepts and values of security consistent with the domains of Security Guidelines v.4. It offers basic security concepts to direct cloud vendors as they build service offerings and assist prospective cloud customers in determining a cloud

provider's overall security risk.

Cloud Security Alliance offers self-study materials, online and in person training for the exam so definitely check out and complete these training. The **CCSK practice exams** available have proven to be the best learning materials and have ensured unbelievable passing rates in the past years. So definitely check out the **CCSK exam dumps** before you appear for the exam.

The CCSK Certification Exam is based on the latest version 4.0 of the Body of Knowledge (BoK) created by the Cloud Security Alliance. The BoK covers various topics related to cloud security, such as cloud infrastructure security, cloud application security, data security, compliance, and legal issues. CCSK exam consists of 60 multiple-choice questions that need to be completed in 90 minutes. The passing score for the CCSK certification exam is 80%, and the exam fee is \$395.

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The CCSK Certification is recognized internationally and is highly valued by employers in the IT industry. It is one of the most sought-after certifications in cloud security and is a requirement for many job roles in this field. Certificate of Cloud Security Knowledge v5 (CCSKv5.0) certification is also recognized by government agencies and is often used to demonstrate compliance with security regulations.

Cloud Security Alliance Certificate of Cloud Security Knowledge v5 (CCSKv5.0) Sample Questions (Q89-Q94):

NEW QUESTION # 89

Cloud customer can do vulnerability assessment of their whole infrastructure on cloud just like they conduct vulnerability assessment of their traditional infrastructure.

- A. False
- B. True

Answer: A

Explanation:

It is false.

Customer will have to take permission and give notification to cloud service provider.

The cloud owner (public or private) will typically require notification of assessments and place limits on the nature of assessments.

This is because they may be unable to distinguish an assessment from a real attack without prior warning.

Ref: CSA Security Guidelines V4.0

NEW QUESTION # 90

Which approach is commonly used by organizations to manage identities in the cloud due to the complexity of scaling across providers?

- A. Decentralization
- B. Federation
- C. Outsourcing
- D. Centralization

Answer: B

Explanation:

Managing identities across multiple cloud providers is complex due to the need for scalability, interoperability, and consistent access control. The federation approach is commonly used to address this challenge. Identity federation allows organizations to use a single

set of credentials across different cloud providers by leveraging standards such as SAML, OAuth, or OpenID Connect. This enables seamless authentication and authorization without requiring separate identity management systems for each provider.

From the CCSK v5.0 Study Guide, Domain 6 (Identity, Entitlement, and Access Management), Section 6.3:

"Identity federation is a critical approach for managing identities in cloud environments, especially when scaling across multiple providers. Federation allows organizations to use a trusted identity provider (IdP) to authenticate users, enabling single sign-on (SSO) and consistent access control across disparate cloud services." Option C (Federation) is the correct answer.

Option A (Decentralization) is incorrect because decentralizing identity management increases complexity and reduces consistency across providers.

Option B (Centralization) is incorrect because, while centralized identity management may be used within a single organization, it does not scale effectively across multiple cloud providers without federation.

Option D (Outsourcing) is incorrect because outsourcing identity management does not inherently address the scalability and interoperability challenges of cloud environments.

References:

CCSK v5.0 Study Guide, Domain 6, Section 6.3: Identity Federation.

CSA Security Guidance for Critical Areas of Focus in Cloud Computing v4.0, Domain 11.

NEW QUESTION # 91

Which two key capabilities are required for technology to be considered cloud computing?

- A. Virtualization and multi-tenancy
- B. Multi-tenancy and isolation
- C. Abstraction and resource pooling
- D. Abstraction and orchestration

Answer: C

Explanation:

The CCSK v5.0 Study Guide defines cloud computing based on the NIST SP 800-145 definition, which outlines five essential characteristics: on-demand self-service, broad network access, resource pooling, rapid elasticity, and measured service. Two key capabilities that underpin these characteristics are abstraction and resource pooling.

* Abstraction refers to the virtualization layer that hides the underlying physical infrastructure, allowing users to interact with resources (e.g., compute, storage, networking) without needing to manage the hardware directly.

* Resource pooling enables the provider's computing resources to be pooled to serve multiple consumers using a multi-tenant model, with resources dynamically assigned and reassigned based on demand.

From the CCSK v5.0 Study Guide, Domain 1 (Cloud Computing Concepts and Architectures), Section 1.2:

"Cloud computing relies on abstraction to simplify the user experience and resource pooling to efficiently allocate resources across multiple tenants. Resource pooling is a defining characteristic, where the provider's computing resources are pooled to serve multiple consumers, with different physical and virtual resources dynamically assigned and reassigned according to consumer demand."

Option B correctly identifies abstraction and resource pooling as the two key capabilities.

* Option A (Abstraction and orchestration) is incorrect because orchestration, while important for automation, is not a defining characteristic of cloud computing.

* Option C (Multi-tenancy and isolation) is incorrect because, while multi-tenancy is a feature of resource pooling, isolation is a security mechanism, not a core capability of cloud computing.

* Option D (Virtualization and multi-tenancy) is incorrect because virtualization is a technology that enables abstraction, but multi-tenancy alone is not sufficient to define cloud computing.

References:

CCSK v5.0 Study Guide, Domain 1, Section 1.2: Cloud Computing Definitions and Characteristics.

NIST SP 800-145: The NIST Definition of Cloud Computing.

NEW QUESTION # 92

In the context of FaaS, what is primarily defined in addition to functions?

- A. User permissions
- B. Data storage
- C. Network configurations
- D. Trigger events

Answer: D

Explanation:

In the context of Function as a Service (FaaS), trigger events are primarily defined in addition to the functions themselves. FaaS allows you to run individual functions in response to events, such as HTTP requests, file uploads, database changes, or messages in a queue. These trigger events initiate the execution of the serverless function, making them a core part of FaaS architecture. Data storage is not directly defined by FaaS, as storage is typically managed separately (e.g., cloud storage or databases). Network configurations are not the main focus of FaaS, since cloud providers manage the underlying network infrastructure. User permissions may be relevant but are typically handled through identity and access management (IAM), not directly tied to the definition of a FaaS function.

NEW QUESTION # 93

Which of the following is a primary benefit of using Infrastructure as Code (IaC) in a security context?

- A. Automated compliance checks
- B. Ad hoc security policies
- C. Manual patch management
- D. Static resource allocation

Answer: A

Explanation:

The correct answer is D. Automated compliance checks.

Infrastructure as Code (IaC) is a key DevSecOps practice where infrastructure configurations are defined and managed through code. In a security context, the primary benefit of using IaC is the ability to automate compliance checks and enforce security best practices consistently across environments.

Key Benefits of IaC in Security:

Automated Compliance: IaC allows for the embedding of security policies directly into configuration scripts. This means that when infrastructure is deployed, it automatically adheres to compliance requirements (like NIST, CIS benchmarks).

Consistency and Repeatability: Since IaC scripts are version-controlled, any configuration changes are tracked, minimizing the risk of configuration drift.

Security by Design: By coding security configurations (like IAM roles, network ACLs, encryption settings), organizations ensure that every deployment meets security standards.

Reduced Human Error: Automating infrastructure provisioning reduces manual errors that can lead to vulnerabilities.

Why Other Options Are Incorrect:

A . Manual patch management: IaC promotes automated and repeatable configurations, reducing the need for manual patching.

B . Ad hoc security policies: IaC encourages standardized and consistent policies rather than ad hoc management.

C . Static resource allocation: IaC is dynamic and scalable, allowing for automatic scaling and configuration management rather than static resource setups.

Real-World Example:

Using tools like Terraform or AWS CloudFormation, organizations can define IAM policies, security group rules, and data encryption settings as part of the infrastructure code. These configurations are then automatically checked for compliance against established policies during deployment.

Security and Compliance in IaC:

Organizations can integrate tools like Terraform Compliance or AWS Config Rules to automatically verify that infrastructure settings align with regulatory requirements and internal security policies.

Reference:

CSA Security Guidance v4.0, Domain 10: Application Security

Cloud Computing Security Risk Assessment (ENISA) - Infrastructure as Code Best Practices Cloud Controls Matrix (CCM) v3.0.1 - Configuration and Change Management Domain

NEW QUESTION # 94

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