

# Exam Questions CCSK

Certificate of Cloud Security Knowledge

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#### NEW QUESTION 1

Sending data to a provider's storage over an API is likely as much more reliable and secure than setting up your own SFTP server on a VM in the same provider

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 2

REST APIs are the standard for web-based services because they run over HTTPS and work well across diverse environments.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 3

Your SLA with your cloud provider ensures continuity for all services.

- A. False
- B. True

**Answer: A**

#### NEW QUESTION 4

Which communication methods within a cloud environment must be exposed for partners or consumers to access database information using a web application?

- A. Software Development Kits (SDKs)
- B. Resource Description Framework (RDF)
- C. Extensible Markup Language (XML)
- D. Application Binary Interface (ABI)
- E. Application Programming Interface (API)

**Answer: E**

#### NEW QUESTION 5

ENISA: A reason for risk concerns of a cloud provider being acquired is:

- A. Arbitrary contract termination by acquiring company
- B. Resource isolation may fail
- C. Provider may change physical location
- D. Mass layoffs may occur
- E. Non-binding agreements put at risk

**Answer: E**

#### NEW QUESTION 6

What method can be utilized along with data fragmentation to enhance security?

- A. Encryption
- B. Organization
- C. Knowledge management
- D. IDS
- E. Insulation

**Answer: E**

#### NEW QUESTION 7

Which governance domain focuses on proper and adequate incident detection, response, notification, and remediation?

- A. Data Security and Encryption
- B. Information Governance
- C. Incident Response, Notification and Remediation
- D. Compliance and Audit Management
- E. Infrastructure Security

**Answer: C**

#### NEW QUESTION 8

What is true of companies considering a cloud computing business relationship?

- A. The laws protecting customer data are based on the cloud provider and customer location only.
- B. The confidentiality agreements between companies using cloud computing services is limited legally to the company, not the provider.

- C. The companies using the cloud providers are the custodians of the data entrusted to them.
- D. The cloud computing companies are absolved of all data security and associated risks through contracts and data laws.
- E. The cloud computing companies own all customer data.

**Answer:** C

#### NEW QUESTION 9

In volume storage, what method is often used to support resiliency and security?

- A. proxy encryption
- B. data rights management
- C. hypervisor agents
- D. data dispersion
- E. random placement

**Answer:** D

#### NEW QUESTION 10

CCM: In the CCM tool, is a measure that modifies risk and includes any process, policy, device, practice or any other actions which modify risk.

- A. Risk Impact
- B. Domain
- C. Control Specification

**Answer:** C

#### NEW QUESTION 10

For third-party audits or attestations, what is critical for providers to publish and customers to evaluate?

- A. Scope of the assessment and the exact included features and services for the assessment
- B. Provider infrastructure information including maintenance windows and contracts
- C. Network or architecture diagrams including all end point security devices in use
- D. Service-level agreements between all parties
- E. Full API access to all required services

**Answer:** C

#### NEW QUESTION 13

Which concept is a mapping of an identity, including roles, personas, and attributes, to an authorization?

- A. Access control
- B. Federated Identity Management
- C. Authoritative source
- D. Entitlement
- E. Authentication

**Answer:** D

#### NEW QUESTION 16

Which of the following statements is true in regards to Data Loss Prevention (DLP)?

- A. DLP can provide options for quickly deleting all of the data stored in a cloud environment.
- B. DLP can classify all data in a storage repository.
- C. DLP never provides options for how data found in violation of a policy can be handled.
- D. DLP can provide options for where data is stored.
- E. DLP can provide options for how data found in violation of a policy can be handled.

**Answer:** E

#### NEW QUESTION 21

When designing an encryption system, you should start with a threat model.

- A. False
- B. True

**Answer:** B

#### NEW QUESTION 23

In which type of environment is it impractical to allow the customer to conduct their own audit, making it important that the data center operators are required to provide auditing for the customers?

- A. Multi-application, single tenant environments
- B. Long distance relationships
- C. Multi-tenant environments
- D. Distributed computing arrangements

E. Single tenant environments

**Answer: C**

#### NEW QUESTION 28

How does virtualized storage help avoid data loss if a drive fails?

- A. Multiple copies in different locations
- B. Drives are backed up, swapped, and archived constantly
- C. Full back ups weekly
- D. Data loss is unavoidable with drive failures
- E. Incremental backups daily

**Answer: A**

#### NEW QUESTION 30

Select the statement below which best describes the relationship between identities and attributes

- A. Attributes belong to entities and identities belong to attribute
- B. Each attribute can have multiple identities but only one entity.
- C. An attribute is a unique object within a databas
- D. Each attribute it has a number of identities which help define its parameters.
- E. An identity is a distinct and unique object within a particular namespac
- F. Attributes are properties which belong to an identit
- G. Each identity can have multiple attributes.
- H. Attributes are made unique by their identities.
- I. Identities are the network names given to server
- J. Attributes are the characteristics of each server.

**Answer: D**

#### NEW QUESTION 34

When configured properly, logs can track every code, infrastructure, and configuration change and connect it back to the submitter and approver, including the test results.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 39

What type of information is contained in the Cloud Security Alliance's Cloud Control Matrix?

- A. Network traffic rules for cloud environments
- B. A number of requirements to be implemented, based upon numerous standards and regulatory requirements
- C. Federal legal business requirements for all cloud operators
- D. A list of cloud configurations including traffic logic and efficient routes
- E. The command and control management hierarchy of typical cloud company

**Answer: B**

#### NEW QUESTION 43

Cloud services exhibit five essential characteristics that demonstrate their relation to, and differences from, traditional computing approaches. Which one of the five characteristics is described as: a consumer can unilaterally provision computing capabilities such as server time and network storage as needed.

- A. Rapid elasticity
- B. Resource pooling
- C. Broad network access
- D. Measured service
- E. On-demand self-service

**Answer: E**

#### NEW QUESTION 47

ENISA: "VM hopping" is:

- A. Improper management of VM instances, causing customer VMs to be commingled with other customer systems.
- B. Looping within virtualized routing systems.
- C. Lack of vulnerability management standards.
- D. Using a compromised VM to exploit a hypervisor, used to take control of other VMs.
- E. Instability in VM patch management causing VM routing errors.

**Answer: D**

#### NEW QUESTION 51

What of the following is NOT an essential characteristic of cloud computing?

- A. Broad Network Access
- B. Measured Service
- C. Third Party Service
- D. Rapid Elasticity
- E. Resource Pooling

**Answer: C**

#### NEW QUESTION 54

How should an SDLC be modified to address application security in a Cloud Computing environment?

- A. Integrated development environments
- B. Updated threat and trust models
- C. No modification is needed
- D. Just-in-time compilers
- E. Both B and C

**Answer: A**

#### NEW QUESTION 55

Which type of application security testing tests running applications and includes tests such as web vulnerability testing and fuzzing?

- A. Code Review
- B. Static Application Security Testing (SAST)
- C. Unit Testing
- D. Functional Testing
- E. Dynamic Application Security Testing (DAST)

**Answer: E**

#### NEW QUESTION 60

Which of the following is NOT a cloud computing characteristic that impacts incidence response?

- A. The on demand self-service nature of cloud computing environments.
- B. Privacy concerns for co-tenants regarding the collection and analysis of telemetry and artifacts associated with an incident.
- C. The possibility of data crossing geographic or jurisdictional boundaries.
- D. Object-based storage in a private cloud.
- E. The resource pooling practiced by cloud services, in addition to the rapid elasticity offered by cloud infrastructures.

**Answer: B**

#### NEW QUESTION 65

CCM: A hypothetical start-up company called "ABC" provides a cloud based IT management solution. They are growing rapidly and therefore need to put controls in place in order to manage any changes in their production environment. Which of the following Change Control & Configuration Management production environment specific control should they implement in this scenario?

- A. Policies and procedures shall be established for managing the risks associated with applying changes to business-critical or customer (tenant)-impacting (physical and virtual) applications and systemsystem interface (API) designs and configurations, infrastructure network and systems components.
- B. Policies and procedures shall be established, and supporting business processes and technical measures implemented, to restrict the installation of unauthorized software on organizationally-owned or managed user end-point devices (e. issued workstations, laptops, and mobile devices) and IT infrastructure network and systems components.
- C. All cloud-based services used by the company's mobile devices or BYOD shall be pre-approved for usage and the storage of company business data.
- D. All cloud-based services used by the company's mobile devices or BYOD shall be pre-approved for usage and the storage of company business data.
- E. None of the above

**Answer: A**

#### NEW QUESTION 70

What is known as a code execution environment running within an operating system that shares and uses the resources of the operating system?

- A. Platform-based Workload
- B. Pod
- C. Abstraction
- D. Container
- E. Virtual machine

**Answer: D**

#### NEW QUESTION 75

In the Software-as-a-service relationship, who is responsible for the majority of the security?

- A. Application Consumer
- B. Database Manager
- C. Application Developer
- D. Cloud Provider

E. Web Application CISO

**Answer:** D

**NEW QUESTION 78**

Select the best definition of “compliance” from the options below.

- A. The development of a routine that covers all necessary security measures.
- B. The diligent habits of good security practices and recording of the same.
- C. The timely and efficient filing of security reports.
- D. The awareness and adherence to obligations, including the assessment and prioritization of corrective actions deemed necessary and appropriate.
- E. The process of completing all forms and paperwork necessary to develop a defensible paper trail.

**Answer:** D

**NEW QUESTION 79**

How is encryption managed on multi-tenant storage?

- A. Single key for all data owners
- B. One key per data owner
- C. Multiple keys per data owner
- D. The answer could be A, B, or C depending on the provider
- E. C for data subject to the EU Data Protection Directive; B for all others

**Answer:** B

**NEW QUESTION 82**

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