

# CSA

## Exam Questions CCSK

Certificate of Cloud Security Knowledge



#### NEW QUESTION 1

What is known as the interface used to connect with the metastructure and configure the cloud environment?

- A. Administrative access
- B. Management plane
- C. Identity and Access Management
- D. Single sign-on
- E. Cloud dashboard

**Answer: B**

#### NEW QUESTION 2

Which statement best describes the Data Security Lifecycle?

- A. The Data Security Lifecycle has six stages, is strictly linear, and never varies.
- B. The Data Security Lifecycle has six stages, can be non-linear, and varies in that some data may never pass through all stages.
- C. The Data Security Lifecycle has five stages, is circular, and varies in that some data may never pass through all stages.
- D. The Data Security Lifecycle has six stages, can be non-linear, and is distinct in that data must always pass through all phases.
- E. The Data Security Lifecycle has five stages, can be non-linear, and is distinct in that data must always pass through all phases.

**Answer: B**

#### NEW QUESTION 3

Big data includes high volume, high variety, and high velocity.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 4

CCM: The following list of controls belong to which domain of the CCM?

GRM 06 – Policy GRM 07 – Policy Enforcement GRM 08 – Policy Impact on Risk Assessments GRM 09 – Policy Reviews GRM 10 – Risk Assessments GRM 11 – Risk Management Framework

- A. Governance and Retention Management
- B. Governance and Risk Management
- C. Governing and Risk Metrics

**Answer: B**

#### NEW QUESTION 5

What is the best way to ensure that all data has been removed from a public cloud environment including all media such as back-up tapes?

- A. Allowing the cloud provider to manage your keys so that they have the ability to access and delete the data from the main and back-up storage.
- B. Maintaining customer managed key management and revoking or deleting keys from the key management system to prevent the data from being accessed again.
- C. Practice Integration of Duties (IOD) so that everyone is able to delete the encrypted data.
- D. Keep the keys stored on the client side so that they are secure and so that the users have the ability to delete their own data.
- E. Both B and D.

**Answer: B**

#### NEW QUESTION 6

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 7

To understand their compliance alignments and gaps with a cloud provider, what must cloud customers rely on?

- A. Provider documentation
- B. Provider run audits and reports
- C. Third-party attestations
- D. Provider and consumer contracts
- E. EDiscovery tools

**Answer: C**

#### NEW QUESTION 8

What is the most significant security difference between traditional infrastructure and cloud computing?

- A. Management plane
- B. Intrusion detection options
- C. Secondary authentication factors
- D. Network access points
- E. Mobile security configuration options

**Answer:** A

#### NEW QUESTION 9

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 10

How does running applications on distinct virtual networks and only connecting networks as needed help?

- A. It reduces hardware costs
- B. It provides dynamic and granular policies with less management overhead
- C. It locks down access and provides stronger data security
- D. It reduces the blast radius of a compromised system
- E. It enables you to configure applications around business groups

**Answer:** D

#### NEW QUESTION 10

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 11

A security failure at the root network of a cloud provider will not compromise the security of all customers because of multitenancy configuration.

- A. False
- B. True

**Answer:** A

#### NEW QUESTION 14

What is true of security as it relates to cloud network infrastructure?

- A. You should apply cloud firewalls on a per-network basis.
- B. You should deploy your cloud firewalls identical to the existing firewalls.
- C. You should always open traffic between workloads in the same virtual subnet for better visibility.
- D. You should implement a default allow with cloud firewalls and then restrict as necessary.
- E. You should implement a default deny with cloud firewalls.

**Answer:** E

#### NEW QUESTION 19

Which governance domain deals with evaluating how cloud computing affects compliance with internal security policies and various legal requirements, such as regulatory and legislative?

- A. Legal Issues: Contracts and Electronic Discovery
- B. Infrastructure Security
- C. Compliance and Audit Management
- D. Information Governance
- E. Governance and Enterprise Risk Management

**Answer:** C

#### NEW QUESTION 23

Which of the following is NOT normally a method for detecting and preventing data migration into the cloud?

- A. Intrusion Prevention System
- B. URL filters
- C. Data Loss Prevention
- D. Cloud Access and Security Brokers (CASB)
- E. Database Activity Monitoring

**Answer:** A

#### **NEW QUESTION 26**

Which layer is the most important for securing because it is considered to be the foundation for secure cloud operations?

- A. Infrastructure
- B. Datastructure
- C. Infostructure
- D. Applistructure
- E. Metastructure

**Answer:** A

#### **NEW QUESTION 28**

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 30**

CCM: In the CCM tool, ais 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 34**

CCM: In the CCM tool, "Encryption and Key Management" is an example of which of the following?

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

**Answer:** B

#### **NEW QUESTION 37**

When investigating an incident in an Infrastructure as a Service (IaaS) environment, what can the user investigate on their own?

- A. The CSP server facility
- B. The logs of all customers in a multi-tenant cloud
- C. The network components controlled by the CSP
- D. The CSP office spaces
- E. Their own virtual instances in the cloud

**Answer:** E

#### **NEW QUESTION 41**

Which of the following is a perceived advantage or disadvantage of managing enterprise risk for cloud deployments?

- A. More physical control over assets and processes.
- B. Greater reliance on contracts, audits, and assessments due to lack of visibility or management.
- C. Decreased requirement for proactive management of relationship and adherence to contracts.
- D. Increased need, but reduction in costs, for managing risks accepted by the cloud provider.
- E. None of the above.

**Answer:** B

#### **NEW QUESTION 46**

All cloud services utilize virtualization technologies.

- A. False
- B. True

**Answer:** B

**NEW QUESTION 50**

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 52**

What is the newer application development methodology and philosophy focused on automation of application development and deployment?

- A. Agile
- B. BusOps
- C. DevOps
- D. SecDevOps
- E. Scrum

**Answer:** C

**NEW QUESTION 56**

Which opportunity helps reduce common application security issues?

- A. Elastic infrastructure
- B. Default deny
- C. Decreased use of micro-services
- D. Segregation by default
- E. Fewer serverless configurations

**Answer:** A

**NEW QUESTION 61**

CCM: A company wants to use the IaaS offering of some CSP. Which of the following options for using CCM is NOT suitable for the company as a cloud customer?

- A. Submit the CCM on behalf of the CSP to CSA Security, Trust & Assurance Registry (STAR), a free, publicly accessible registry that documents the security controls provided by CSPs
- B. Use CCM to build a detailed list of requirements and controls that they want their CSP to implement
- C. Use CCM to help assess the risk associated with the CSP
- D. None of the above

**Answer:** D

**NEW QUESTION 62**

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 66**

Which cloud security model type provides generalized templates for helping implement cloud security?

- A. Conceptual models or frameworks
- B. Design patterns
- C. Controls models or frameworks
- D. Reference architectures
- E. Cloud Controls Matrix (CCM)

**Answer:** D

**NEW QUESTION 68**

ENISA: Which is not one of the five key legal issues common across all scenarios:

- A. Data protection
- B. Professional negligence
- C. Globalization
- D. Intellectual property
- E. Outsourcing services and changes in control

**Answer:** C

#### **NEW QUESTION 73**

Which of the following statements best defines the "authorization" as a component of identity, entitlement, and access management?

- A. The process of specifying and maintaining access policies
- B. Checking data storage to make sure it meets compliance requirements
- C. Giving a third party vendor permission to work on your cloud solution
- D. Establishing/asserting the identity to the application
- E. Enforcing the rules by which access is granted to the resources

**Answer:** D

#### **NEW QUESTION 76**

What should every cloud customer set up with its cloud service provider (CSP) that can be utilized in the event of an incident?

- A. A data destruction plan
- B. A communication plan
- C. A back-up website
- D. A spill remediation kit
- E. A rainy day fund

**Answer:** B

#### **NEW QUESTION 79**

Audits should be robustly designed to reflect best practice, appropriate resources, and tested protocols and standards. They should also use what type of auditors?

- A. Auditors working in the interest of the cloud customer
- B. Independent auditors
- C. Certified by CSA
- D. Auditors working in the interest of the cloud provider
- E. None of the above

**Answer:** B

#### **NEW QUESTION 82**

CCM: The Cloud Service Delivery Model Applicability column in the CCM indicates the applicability of the cloud security control to which of the following elements?

- A. Mappings to well-known standards and frameworks
- B. Service Provider or Tenant/Consumer
- C. Physical, Network, Compute, Storage, Application or Data
- D. SaaS, PaaS or IaaS

**Answer:** D

#### **NEW QUESTION 87**

In the cloud provider and consumer relationship, which entity manages the virtual or abstracted infrastructure?

- A. Only the cloud consumer
- B. Only the cloud provider
- C. Both the cloud provider and consumer
- D. It is determined in the agreement between the entities
- E. It is outsourced as per the entity agreement

**Answer:** C

#### **NEW QUESTION 92**

Which of the following statements best describes an identity federation?

- A. A library of data definitions
- B. A group of entities which have decided to exist together in a single cloud
- C. Identities which share similar attributes
- D. Several countries which have agreed to define their identities with similar attributes
- E. The connection of one identity repository to another

**Answer:** E

#### **NEW QUESTION 96**

If in certain litigations and investigations, the actual cloud application or environment itself is relevant to resolving the dispute in the litigation or investigation, how is the information likely to be obtained?

- A. It may require a subpoena of the provider directly
- B. It would require a previous access agreement
- C. It would require an act of war
- D. It would require a previous contractual agreement to obtain the application or access to the environment
- E. It would never be obtained in this situation

**Answer:** D

#### **NEW QUESTION 101**

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 106**

Which of the following statements are NOT requirements of governance and enterprise risk management in a cloud environment?

- A. Inspect and account for risks inherited from other members of the cloud supply chain and take active measures to mitigate and contain risks through operational resiliency.
- B. Respect the interdependency of the risks inherent in the cloud supply chain and communicate the corporate risk posture and readiness to consumers and dependent parties.
- C. Negotiate long-term contracts with companies who use well-vetted software application to avoid the transient nature of the cloud environment.
- D. Provide transparency to stakeholders and shareholders demonstrating fiscal solvency and organizational transparency.
- E. Both B and C.

**Answer:** C

#### **NEW QUESTION 111**

All assets require the same continuity in the cloud.

- A. False
- B. True

**Answer:** A

#### **NEW QUESTION 114**

A defining set of rules composed of claims and attributes of the entities in a transaction, which is used to determine their level of access to cloud-based resources is called what?

- A. An entitlement matrix
- B. A support table
- C. An entry log
- D. A validation process
- E. An access log

**Answer:** D

#### **NEW QUESTION 116**

Which of the following is one of the five essential characteristics of cloud computing as defined by NIST?

- A. Multi-tenancy
- B. Nation-state boundaries
- C. Measured service
- D. Unlimited bandwidth
- E. Hybrid clouds

**Answer:** C

#### **NEW QUESTION 118**

Cloud applications can use virtual networks and other structures, for hyper-segregated environments.

- A. False
- B. True

**Answer:** B

#### **NEW QUESTION 121**



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 125

How can key management be leveraged to prevent cloud providers from inappropriately accessing customer data?

- A. Use strong multi-factor authentication
- B. Secure backup processes for key management systems
- C. Segregate keys from the provider hosting data
- D. Stipulate encryption in contract language
- E. Select cloud providers within the same country as customer

**Answer:** C

#### NEW QUESTION 130

In which deployment model should the governance strategy consider the minimum common set of controls comprised of the Cloud Service Provider contract and the organization's internal governance agreements?

- A. Public
- B. PaaS
- C. Private
- D. IaaS
- E. Hybrid

**Answer:** E

#### NEW QUESTION 133

What is defined as the process by which an opposing party may obtain private documents for use in litigation?

- A. Discovery
- B. Custody
- C. Subpoena
- D. Risk Assessment
- E. Scope

**Answer:** A

#### NEW QUESTION 138

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 ormanaged user end-point devices (e.
- C. issued workstations, laptops, and mobile devices) and IT infrastructure network and systems components.
- 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 142

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 147

Which of the following encryption methods would be utilized when object storage is used as the back-end for an application?

- A. Database encryption
- B. Media encryption
- C. Asymmetric encryption



- D. Object encryption
- E. Client/application encryption

**Answer:** E

**NEW QUESTION 152**

What is true of searching data across cloud environments?

- A. You might not have the ability or administrative rights to search or access all hosted data.
- B. The cloud provider must conduct the search with the full administrative controls.
- C. All cloud-hosted email accounts are easily searchable.
- D. Search and discovery time is always factored into a contract between the consumer and provider.
- E. You can easily search across your environment using any E-Discovery tool.

**Answer:** A

**NEW QUESTION 155**

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