



**CSA**

**Exam Questions CCSK**

Certificate of Cloud Security Knowledge

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#### NEW QUESTION 1

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

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 2

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 3

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 4

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 5

What are the encryption options available for SaaS consumers?

- A. Any encryption option that is available for volume storage, object storage, or PaaS
- B. Provider-managed and (sometimes) proxy encryption
- C. Client/application and file/folder encryption
- D. Object encryption Volume storage encryption

**Answer: B**

#### NEW QUESTION 6

How can virtual machine communications bypass network security controls?

- A. VM communications may use a virtual network on the same hardware host
- B. The guest OS can invoke stealth mode
- C. Hypervisors depend upon multiple network interfaces
- D. VM images can contain rootkits programmed to bypass firewalls
- E. Most network security systems do not recognize encrypted VM traffic

**Answer: A**

#### NEW QUESTION 7

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 8

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 9

What are the primary security responsibilities of the cloud provider in the management infrastructure?

- A. Building and properly configuring a secure network infrastructure
- B. Configuring second factor authentication across the network
- C. Properly configuring the deployment of the virtual network, especially the firewalls
- D. Properly configuring the deployment of the virtual network, except the firewalls
- E. Providing as many API endpoints as possible for custom access and configurations

**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

Which term is used to describe the use of tools to selectively degrade portions of the cloud to continuously test business continuity?

- A. Planned Outages
- B. Resiliency Planning
- C. Expected Engineering
- D. Chaos Engineering
- E. Organized Downtime

**Answer: D**

#### NEW QUESTION 14

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 15

Why is a service type of network typically isolated on different hardware?

- A. It requires distinct access controls
- B. It manages resource pools for cloud consumers
- C. It has distinct functions from other networks
- D. It manages the traffic between other networks
- E. It requires unique security

**Answer: D**

#### NEW QUESTION 17

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 20

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

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 21

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 25

Which of the following items is NOT an example of Security as a Service (SecaaS)?

- A. Spam filtering
- B. Authentication
- C. Provisioning
- D. Web filtering
- E. Intrusion detection

**Answer: C**

#### NEW QUESTION 27

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 32

The containment phase of the incident response lifecycle requires taking systems offline.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 35

What does it mean if the system or environment is built automatically from a template?

- A. Nothing.
- B. It depends on how the automation is configured.
- C. Changes made in production are overwritten by the next code or template change.
- D. Changes made in test are overwritten by the next code or template change.
- E. Changes made in production are untouched by the next code or template change.

**Answer: D**

#### NEW QUESTION 36

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 38

Your cloud and on-premises infrastructures should always use the same network address ranges.

- A. False
- B. True

**Answer:** A

#### NEW QUESTION 43

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 45

An important consideration when performing a remote vulnerability test of a cloud-based application is to

- A. Obtain provider permission for test
- B. Use techniques to evade cloud provider's detection systems
- C. Use application layer testing tools exclusively
- D. Use network layer testing tools exclusively
- E. Schedule vulnerability test at night

**Answer:** A

#### NEW QUESTION 49

Which attack surfaces, if any, does virtualization technology introduce?

- A. The hypervisor
- B. Virtualization management components apart from the hypervisor
- C. Configuration and VM sprawl issues
- D. All of the above

**Answer:** D

#### NEW QUESTION 52

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 56

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 59

ENISA: Which is a potential security benefit of cloud computing?

- A. More efficient and timely system updates
- B. ISO 27001 certification
- C. Provider can obfuscate system O/S and versions
- D. Greater compatibility with customer IT infrastructure
- E. Lock-In

**Answer:** A

#### NEW QUESTION 62

All assets require the same continuity in the cloud.

- A. False

B. True

**Answer:** A

**NEW QUESTION 66**

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

- A. False
- B. True

**Answer:** B

**NEW QUESTION 69**

What is resource pooling?

- A. The provider's computing resources are pooled to serve multiple consumers.
- B. Internet-based CPUs are pooled to enable multi-threading.
- C. The dedicated computing resources of each client are pooled together in a colocation facility.
- D. Placing Internet ("cloud") data centers near multiple sources of energy, such as hydroelectric dams.
- E. None of the above.

**Answer:** A

**NEW QUESTION 71**

Containers are highly portable code execution environments.

- A. False
- B. True

**Answer:** B

**NEW QUESTION 73**

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 74**

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 77**

Dynamic Application Security Testing (DAST) might be limited or require pre-testing permission from the provider.

- A. False
- B. True

**Answer:** B

**NEW QUESTION 81**

A cloud deployment of two or more unique clouds is known as:

- A. Infrastructures as a Service
- B. A Private Cloud
- C. A Community Cloud
- D. A Hybrid Cloud
- E. Jericho Cloud Cube Model

**Answer:** C

**NEW QUESTION 82**

CCM: The Architectural Relevance column in the CCM indicates the applicability of the cloud security control to which of the following elements?

- A. Service Provider or Tenant/Consumer
- B. Physical, Network, Compute, Storage, Application or Data
- C. SaaS, PaaS or IaaS

**Answer: C**

**NEW QUESTION 86**

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 88**

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 90**

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