

# CSA

## Exam Questions CCSK

Certificate of Cloud Security Knowledge



#### NEW QUESTION 1

Without virtualization, there is no cloud.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 2

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

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 3

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 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

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 6

CCM: A hypothetical company called: "Health4Sure" is located in the United States and provides cloud based services for tracking patient health. The company is compliant with HIPAA/HITECH Act among other industry standards. Health4Sure decides to assess the overall security of their cloud service against the CCM toolkit so that they will be able to present this document to potential clients.

Which of the following approach would be most suitable to assess the overall security posture of Health4Sure's cloud service?

- A. The CCM columns are mapped to HIPAA/HITECH Act and therefore Health4Sure could verify the CCM controls already covered as a result of their compliance with HIPAA/HITECH Act
- B. They could then assess the remaining control
- C. This approach will save time.
- D. The CCM domain controls are mapped to HIPAA/HITECH Act and therefore Health4Sure could verify the CCM controls already covered as a result of their compliance with HIPAA/HITECH Act
- E. They could then assess the remaining controls thoroughl
- F. This approach saves time while being able to assess the company's overall security posture in an efficient manner.
- G. The CCM domains are not mapped to HIPAA/HITECH Act
- H. Therefore Health4Sure should assess the security posture of their cloud service against each and every control in the CC
- I. This approach will allow a thorough assessment of the security posture.

**Answer: C**

#### NEW QUESTION 7

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 8**

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 9**

Which data security control is the LEAST likely to be assigned to an IaaS provider?

- A. Application logic
- B. Access controls
- C. Encryption solutions
- D. Physical destruction
- E. Asset management and tracking

**Answer: A**

**NEW QUESTION 10**

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 10**

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 13**

Who is responsible for the security of the physical infrastructure and virtualization platform?

- A. The cloud consumer
- B. The majority is covered by the consumer
- C. It depends on the agreement
- D. The responsibility is split equally
- E. The cloud provider

**Answer: E**

**NEW QUESTION 17**

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 22**

All cloud services utilize virtualization technologies.

- A. False
- B. True

Answer: B

**NEW QUESTION 26**

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 27**

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 30**

What are the primary security responsibilities of the cloud provider in compute virtualizations?

- A. Enforce isolation and maintain a secure virtualization infrastructure
- B. Monitor and log workloads and configure the security settings
- C. Enforce isolation and configure the security settings
- D. Maintain a secure virtualization infrastructure and configure the security settings
- E. Enforce isolation and monitor and log workloads

Answer: A

**NEW QUESTION 34**

Which statement best describes why it is important to know how data is being accessed?

- A. The devices used to access data have different storage formats.
- B. The devices used to access data use a variety of operating systems and may have different programs installed on them.
- C. The device may affect data dispersion.
- D. The devices used to access data use a variety of applications or clients and may have different security characteristics.
- E. The devices used to access data may have different ownership characteristics.

Answer: D

**NEW QUESTION 36**

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 37**

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 39**

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 40**

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 43**

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 44**

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 46**

Which concept provides the abstraction needed for resource pools?

- A. Virtualization
- B. Applistructure
- C. Hypervisor
- D. Metastructure
- E. Orchestration

**Answer: A**

**NEW QUESTION 51**

Which term describes any situation where the cloud consumer does not manage any of the underlying hardware or virtual machines?

- A. Serverless computing
- B. Virtual machineless
- C. Abstraction
- D. Container
- E. Provider managed

**Answer: A**

**NEW QUESTION 52**

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 53**

What is a potential concern of using Security-as-a-Service (SecaaS)?

- A. Lack of visibility
- B. Deployment flexibility
- C. Scaling and costs
- D. Intelligence sharing
- E. Insulation of clients

**Answer:** A

**NEW QUESTION 55**

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 59**

How can web security as a service be deployed for a cloud consumer?

- A. By proxying or redirecting web traffic to the cloud provider
- B. By utilizing a partitioned network drive
- C. On the premise through a software or appliance installation
- D. Both A and C
- E. None of the above

**Answer:** A

**NEW QUESTION 64**

If there are gaps in network logging data, what can you do?

- A. Nothin
- B. There are simply limitations around the data that can be logged in the cloud.
- C. Ask the cloud provider to open more ports.
- D. You can instrument the technology stack with your own logging.
- E. Ask the cloud provider to close more ports.
- F. Nothin
- G. The cloud provider must make the information available.

**Answer:** C

**NEW QUESTION 65**

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

- A. False
- B. True

**Answer:** B

**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**

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