

Exam Questions CCSK

Certificate of Cloud Security Knowledge

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NEW QUESTION 1

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 2

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 3

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 4

What item below allows disparate directory services and independent security domains to be interconnected?

- A. Coalition
- B. Cloud
- C. Intersection
- D. Union
- E. Federation

Answer: E

NEW QUESTION 5

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

- A. False
- B. True

Answer: B

NEW QUESTION 6

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 7

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 8

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 9

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 10

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 10

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 12

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 17

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 21

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 26

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 29

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 33

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 38

Which concept provides the abstraction needed for resource pools?

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

Answer: A

NEW QUESTION 41

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 42

Vulnerability assessments cannot be easily integrated into CI/CD pipelines because of provider restrictions.

- A. False
- B. True

Answer: A

NEW QUESTION 44

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

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

- A. False
- B. True

Answer: B

NEW QUESTION 50

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 53

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 55

If the management plane has been breached, you should confirm the templates/configurations for your infrastructure or applications have not also been compromised.

- A. False
- B. True

Answer: A

NEW QUESTION 59

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 63

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 66

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 71

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 73

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 74

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 79

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 80

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 82

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 85

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 90

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 91

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 95

Use elastic servers when possible and move workloads to new instances.

- A. False
- B. True

Answer: B

NEW QUESTION 97

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 98

CCM: In the CCM tool, risk 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 103

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 108

ENISA: Lock-in is ranked as a high risk in ENISA research, a key underlying vulnerability causing lock in is:

- A. Lack of completeness and transparency in terms of use
- B. Lack of information on jurisdictions
- C. No source escrow agreement
- D. Unclear asset ownership
- E. Audit or certification not available to customers

Answer: A

NEW QUESTION 113

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 118

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 121

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 125

What can be implemented to help with account granularity and limit blast radius with IaaS and PaaS?

- A. Configuring secondary authentication
- B. Establishing multiple accounts
- C. Maintaining tight control of the primary account holder credentials
- D. Implementing least privilege accounts
- E. Configuring role-based authentication

Answer: B

NEW QUESTION 128

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 130

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 thoroughly
- 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 CCM
- I. This approach will allow a thorough assessment of the security posture.

Answer: C

NEW QUESTION 135

The Software Defined Perimeter (SDP) includes which components?

- A. Client, Controller, and Gateway
- B. Client, Controller, Firewall, and Gateway
- C. Client, Firewall, and Gateway
- D. Controller, Firewall, and Gateway
- E. Client, Controller, and Firewall

Answer: A

NEW QUESTION 138

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 139

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 143

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