

# Exam Questions CCSK

Certificate of Cloud Security Knowledge

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#### NEW QUESTION 1

What is a core tenant of risk management?

- A. The provider is accountable for all risk management.
- B. You can manage, transfer, accept, or avoid risks.
- C. The consumers are completely responsible for all risk.
- D. If there is still residual risk after assessments and controls are in place, you must accept the risk.
- E. Risk insurance covers all financial losses, including loss of customers.

**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

Without virtualization, there is no cloud.

- A. False
- B. True

**Answer: B**

#### NEW QUESTION 4

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

- A. False
- B. True

**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

When deploying Security as a Service in a highly regulated industry or environment, what should both parties agree on in advance and include in the SLA?

- A. The metrics defining the service level required to achieve regulatory objectives.
- B. The duration of time that a security violation can occur before the client begins assessing regulatory fines.
- C. The cost per incident for security breaches of regulated information.
- D. The regulations that are pertinent to the contract and how to circumvent them.
- E. The type of security software which meets regulations and the number of licenses that will be needed.

**Answer: A**

#### NEW QUESTION 8

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 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

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 10

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 11

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 16

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 21

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 26

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 29

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 31

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 35

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

- A. False
- B. True

**Answer:** B

#### NEW QUESTION 40

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 41

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 45

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 48

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 52

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 56

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 60

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

Which cloud-based service model enables companies to provide client-based access for partners to databases or applications?

- A. Platform-as-a-service (PaaS)
- B. Desktop-as-a-service (DaaS)
- C. Infrastructure-as-a-service (IaaS)
- D. Identity-as-a-service (IDaaS)
- E. Software-as-a-service (SaaS)

**Answer:** A

#### NEW QUESTION 66

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 69

Which statement best describes the impact of Cloud Computing on business continuity management?

- A. A general lack of interoperability standards means that extra focus must be placed on the security aspects of migration between Cloud providers.
- B. The size of data sets hosted at a Cloud provider can present challenges if migration to another provider becomes necessary.
- C. Customers of SaaS providers in particular need to mitigate the risks of application lock-in.
- D. Clients need to do business continuity planning due diligence in case they suddenly need to switch providers.
- E. Geographic redundancy ensures that Cloud Providers provide highly available services.

**Answer:** E

#### NEW QUESTION 70

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 72

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 77

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

- A. False
- B. True

**Answer:** A

#### NEW QUESTION 79

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 80

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 82

Which concept provides the abstraction needed for resource pools?

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

**Answer:** A

#### NEW QUESTION 87

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 92

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 93

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 94

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 97

All assets require the same continuity in the cloud.

- A. False
- B. True

**Answer:** A

#### NEW QUESTION 98

What is true of a workload?

- A. It is a unit of processing that consumes memory
- B. It does not require a hardware stack
- C. It is always a virtual machine
- D. It is configured for specific, established tasks
- E. It must be containerized

**Answer:** A

#### NEW QUESTION 101

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

- A. False
- B. True

**Answer:** B

#### NEW QUESTION 104

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 107

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 108**

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 111**

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 114**

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 119**

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

- A. False
- B. True

**Answer:** B

**NEW QUESTION 123**

Which cloud storage technology is basically a virtual hard drive for instanced or VMs?

- A. Volume storage
- B. Platform
- C. Database
- D. Application
- E. Object storage

**Answer:** A

**NEW QUESTION 128**

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 130**

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 132**

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 136**

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 137**

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 140**

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 143**

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