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
APIs and web services require extensive hardening and must assume attacks from authenticated and unauthenticated adversaries.

A. False
B. True

Answer: B

NEW QUESTION 3
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 inplace, you must accept the risk.
E. Risk insurance covers all financial losses, including loss of customers.

Answer: B

NEW QUESTION 4
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 5
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 6
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 7
What factors should you understand about the data specifically due to legal, regulatory, and jurisdictional factors?

A. The physical location of the data and how it is accessed
B. The fragmentation and encryption algorithms employed
C. The language of the data and how it affects the user
D. The implications of storing complex information on simple storage systems
E. The actual size of the data and the storage format

Answer: D

NEW QUESTION 8

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 9
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 10
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 10
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 13
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 17
Use elastic servers when possible and move workloads to new instances.

A. False
B. True

Answer: B

NEW QUESTION 19
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 22
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 24
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 25
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 29
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 30
What can be implemented to help with account granularity and limit blast radius with IaaS an 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 34
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 38
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 43
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 47
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 51
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 55
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 56
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 61
The containment phase of the incident response lifecycle requires taking systems offline.

A. False
B. True

Answer: B

NEW QUESTION 64
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 67
Your cloud and on-premises infrastructures should always use the same network address ranges.

A. False
B. True

Answer: A

NEW QUESTION 70
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 74
Network logs from cloud providers are typically flow records, not full packet captures.

A. False
B. True

Answer: B

NEW QUESTION 75
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
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 81
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
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 86
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 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
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 98
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 102
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 105
Cloud applications can use virtual networks and other structures, for hyper-segregated environments.

A. False
B. True

Answer: B

NEW QUESTION 109
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 113
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 117
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 120
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 123
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 125
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 130
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 135
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
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 141
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 145
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