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
Without virtualization, there is no cloud.

A. False
B. True

Answer: B

NEW QUESTION 4
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 5
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 ad a result of their compliance with HIPPA/HITECH Ac
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 HIPPA/HITECH Ac
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 Ac
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 6
How does running applications on distinct virtual networks and only connecting networks as needed help?

A. It reduces hardware costs
B. It provides dynamic and granular policies with less management overhead
C. It locks down access and provides stronger data security
D. It reduces the blast radius of a compromised system
E. It enables you to configure applications around business groups

Answer: D

NEW QUESTION 7
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 8
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 9
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 10
When investigating an incident in an Infrastructure as a Service (IaaS) environment, what can the user investigate on their own?

A. The CSP server facility
B. The logs of all customers in a multi-tenant cloud
C. The network components controlled by the CSP
D. The CSP office spaces
E. Their own virtual instances in the cloud

Answer: E

NEW QUESTION 10
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 15
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 16
All cloud services utilize virtualization technologies.

A. False
B. True

Answer: B

NEW QUESTION 21
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 23
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 28
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 30
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 32
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 35
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 41
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 45
Which concept provides the abstraction needed for resource pools?

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

Answer: A

NEW QUESTION 46
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 51
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 52
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 54
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 58
Which of the following is one of the five essential characteristics of cloud computing as defined by NIST?

A. Multi-tenancy
B. Nation-state boundaries
C. Measured service
D. Unlimited bandwidth
E. Hybrid clouds

Answer: C

NEW QUESTION 60
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 61
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 65
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 66
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 67
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 70
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 72
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 76
CCM: Cloud Controls Matrix (CCM) is a completely independent cloud assessment toolkit that does not map any existing standards.

A. True
B. False

Answer: B

NEW QUESTION 78
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 81
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