CCSK Dumps

Certificate of Cloud Security Knowledge

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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
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 4
Without virtualization, there is no cloud.

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 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 7
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 8
When mapping functions to lifecycle phases, which functions are required to successfully process data?

A. Create, Store, Use, and Share
B. Create and Store
C. Create and Use
D. Create, Store, and Use
E. Create, Use, Store, and Delete

Answer: A

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
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 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 13
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
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 18
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 21
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 24
Use elastic servers when possible and move workloads to new instances.

A. False
B. True

Answer: B

NEW QUESTION 25
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 28
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 30
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 35
CCM: In the CCM tool, ais 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 39
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 43
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 46
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 48
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 51
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 54
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 57
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 61
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 65
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 69

ENISA: An example high risk role for malicious insiders within a Cloud Provider includes

A. Sales
B. Marketing
C. Legal counsel
D. Auditors
E. Accounting

Answer: D

NEW QUESTION 71
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 72
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 73
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 74
Vulnerability assessments cannot be easily integrated into CI/CD pipelines because of provider restrictions.

A. False
B. True

Answer: A

NEW QUESTION 78
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 81
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 84
Which concept provides the abstraction needed for resource pools?

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

Answer: A

NEW QUESTION 86
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 91
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 96
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 101
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 106
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 108
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 111
All assets require the same continuity in the cloud.

A. False
B. True

Answer: A

NEW QUESTION 113
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 116
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 121
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 123
Dynamic Application Security Testing (DAST) might be limited or require pre-testing permission from the provider.

A. False
B. True

Answer: B

NEW QUESTION 125
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 127
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 131
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 132
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