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NEW QUESTION 1

- (Exam Topic 1)

A virtual network interface card (NIC) exists at layer _____ of the OSI model. Response:

- A. 2
- B. 4
- C. 6
- D. 8

Answer: A

NEW QUESTION 2

- (Exam Topic 1)

_____ can often be the result of inadvertent activity. Response:

- A. DDoS
- B. Phishing
- C. Sprawl
- D. Disasters

Answer: C

NEW QUESTION 3

- (Exam Topic 1)

You are the security manager for a small application development company. Your company is considering the use of the cloud for software testing purposes. Which cloud service model is most likely to suit your needs?

Response:

- A. IaaS
- B. PaaS
- C. SaaS
- D. LaaS

Answer: B

NEW QUESTION 4

- (Exam Topic 1)

Which strategy involves using a fake production system to lure attackers in order to learn about their tactics?

Response:

- A. IDS
- B. Honeypot
- C. IPS
- D. Firewall

Answer: B

NEW QUESTION 5

- (Exam Topic 1)

Which cloud storage type uses an opaque value or descriptor to categorize and organize data? Response:

- A. Volume
- B. Object
- C. Structured
- D. Unstructured

Answer: D

NEW QUESTION 6

- (Exam Topic 1)

All of the following are usually nonfunctional requirements except _____.

Response:

- A. Color
- B. Sound
- C. Security
- D. Function

Answer: D

NEW QUESTION 7

- (Exam Topic 1)

The Cloud Security Alliance (CSA) publishes the Notorious Nine, a list of common threats to organizations participating in cloud computing.

According to the CSA, what is one reason the threat of insecure interfaces and APIs is so prevalent in cloud computing?

Response:

- A. Cloud customers and third parties are continually enhancing and modifying APIs.
- B. APIs can have automated settings.
- C. It is impossible to uninstall APIs.
- D. APIs are a form of malware.

Answer: A

NEW QUESTION 8

- (Exam Topic 1)

The cloud deployment model that features organizational ownership of the hardware and infrastructure, and usage only by members of that organization, is known as:

Response:

- A. Private
- B. Public
- C. Hybrid
- D. Motive

Answer: A

NEW QUESTION 9

- (Exam Topic 1)

What is used with a single sign-on system for authentication after the identity provider has successfully authenticated a user?

Response:

- A. Token
- B. Key
- C. XML
- D. SAML

Answer: A

NEW QUESTION 10

- (Exam Topic 1)

When an organization implements an SIEM solution and begins aggregating event data, the configured event sources are only valid at the time it was configured. Application modifications, patching, and other upgrades will change the events generated and how they are represented over time. What process is necessary to ensure events are collected and processed with this in mind?

- A. Continual review
- B. Continuous optimization
- C. Aggregation updates
- D. Event elasticity

Answer: B

NEW QUESTION 10

- (Exam Topic 1)

You have been tasked with creating an audit scope statement and are making your project outline. Which of the following is NOT typically included in an audit scope statement?

- A. Statement of purpose
- B. Deliverables
- C. Classification
- D. Costs

Answer: D

NEW QUESTION 13

- (Exam Topic 1)

Which of the following best describes data masking? Response:

- A. A method where the last few numbers in a dataset are not obscure
- B. These are often used for authentication.
- C. A method for creating similar but inauthentic datasets used for software testing and user training.
- D. A method used to protect prying eyes from data such as social security numbers and credit card data.
- E. Data masking involves stripping out all similar digits in a string of numbers so as to obscure the original number.

Answer: B

NEW QUESTION 17

- (Exam Topic 1)

Which of the following is not a factor an organization might use in the cost-benefit analysis when deciding whether to migrate to a cloud environment?

Response:

- A. Pooled resources in the cloud
- B. Shifting from capital expenditures to support IT investment to operational expenditures
- C. The time savings and efficiencies offered by the cloud service

D. Branding associated with which cloud provider might be selected

Answer: D

NEW QUESTION 20

- (Exam Topic 1)

You are the security policy lead for your organization, which is considering migrating from your on-premises, legacy environment into the cloud. You are reviewing the Cloud Security Alliance Cloud Controls Matrix (CSA CCM) as a tool for your organization. Which of the following benefits will the CSA CCM offer your organization? Response:

- A. Simplifying regulatory compliance
- B. Collecting multiple data streams from your log files
- C. Ensuring that the baseline configuration is applied to all systems
- D. Enforcing contract terms between your organization and the cloud provider

Answer: A

NEW QUESTION 24

- (Exam Topic 1)

Egress monitoring solutions usually include a function that _____.

Response:

- A. Uses biometrics to scan users
- B. Inspects incoming packets
- C. Resides on client machines
- D. Uses stateful inspection

Answer: C

NEW QUESTION 25

- (Exam Topic 1)

Because PaaS implementations are so often used for software development, what is one of the vulnerabilities that should always be kept in mind? Response:

- A. Malware
- B. Loss/theft of portable devices
- C. Backdoors
- D. DoS/DDoS

Answer: C

NEW QUESTION 28

- (Exam Topic 1)

Which of the following storage types are used with an Infrastructure as a Service (IaaS) solution? Response:

- A. Volume and block
- B. Structured and object
- C. Unstructured and ephemeral
- D. Volume and object

Answer: D

NEW QUESTION 33

- (Exam Topic 1)

Different types of cloud deployment models use different types of storage from traditional data centers, along with many new types of software platforms for deploying applications and configurations. Which of the following is NOT a storage type used within a cloud environment?

- A. Docker
- B. Object
- C. Structured
- D. Volume

Answer: A

NEW QUESTION 38

- (Exam Topic 1)

Which of the following is the recommended operating range for temperature and humidity in a data center? Response:

- A. Between 62 °F - 81 °F and 40% and 65% relative humidity
- B. Between 64 °F - 81 °F and 40% and 60% relative humidity
- C. Between 64 °F - 84 °F and 30% and 60% relative humidity
- D. Between 60 °F - 85 °F and 40% and 60% relative humidity

Answer: B

NEW QUESTION 40

- (Exam Topic 1)

Why are PaaS environments at a higher likelihood of suffering backdoor vulnerabilities?

- A. They rely on virtualization.
- B. They are often used for software development.
- C. They have multitenancy.
- D. They are scalable.

Answer: B

NEW QUESTION 44

- (Exam Topic 1)

The final phase of the cloud data lifecycle is the destroy phase, where data is ultimately deleted and done so in a secure manner to ensure it cannot be recovered or reconstructed. Which cloud service category poses the most challenges to data destruction or the cloud customer?

- A. Platform
- B. Software
- C. Infrastructure
- D. Desktop

Answer: B

NEW QUESTION 46

- (Exam Topic 1)

Which of the following are considered to be the building blocks of cloud computing? Response:

- A. Data, access control, virtualization, and services
- B. Storage, networking, printing and virtualization
- C. CPU, RAM, storage and networking
- D. Data, CPU, RAM, and access control

Answer: C

NEW QUESTION 47

- (Exam Topic 1)

Log data should be protected _____.

Response:

- A. One level below the sensitivity level of the systems from which it was collected
- B. At least at the same sensitivity level as the systems from which it was collected
- C. With encryption in transit, at rest, and in use
- D. According to NIST guidelines

Answer: B

NEW QUESTION 49

- (Exam Topic 1)

What is the amount of fuel that should be on hand to power generators for backup datacenter power, in all tiers, according to the Uptime Institute?

- A. 1
- B. 1,000 gallons
- C. 12 hours
- D. As much as needed to ensure all systems may be gracefully shut down and data securely stored

Answer: C

NEW QUESTION 52

- (Exam Topic 1)

Static software security testing typically uses _____ as a measure of how thorough the testing was. Response:

- A. Number of testers
- B. Flaws detected
- C. Code coverage
- D. Malware hits

Answer: C

NEW QUESTION 54

- (Exam Topic 1)

You are the security manager for a software development firm. Your company is interested in using a managed cloud service provider for hosting its testing environment. Previous releases have shipped with major flaws that were not detected in the testing phase; leadership wants to avoid repeating that problem. What tool/technique/technology might you suggest to aid in identifying programming errors?

- A. Vulnerability scans
- B. Open source review
- C. SOC audits

D. Regulatory review

Answer: B

NEW QUESTION 58

- (Exam Topic 1)

SOX was enacted because of which of the following? Response:

- A. Poor BOD oversight
- B. Lack of independent audits
- C. Poor financial controls
- D. All of the above

Answer: D

NEW QUESTION 60

- (Exam Topic 1)

Who will determine data classifications for the cloud customer?

- A. The cloud provider
- B. NIST
- C. Regulators
- D. The cloud customer

Answer: D

NEW QUESTION 65

- (Exam Topic 1)

Heating, ventilation, and air conditioning (HVAC) systems cool the data center by pushing warm air into _____.
Response:

- A. The server inlets
- B. Underfloor plenums
- C. HVAC intakes
- D. The outside world

Answer: D

NEW QUESTION 66

- (Exam Topic 2)

A process for _____ can aid in protecting against data disclosure due to lost devices. Response:

- A. User punishment
- B. Credential revocation
- C. Law enforcement notification
- D. Device tracking

Answer: B

NEW QUESTION 70

- (Exam Topic 2)

Which of the following is the best example of a key component of regulated PII? Response:

- A. Items that should be implemented
- B. Mandatory breach reporting
- C. Audit rights of subcontractors
- D. PCI DSS

Answer: B

NEW QUESTION 75

- (Exam Topic 2)

A federated identity system is composed of three main components. Which of the following is NOT one of the three main components?
Response:

- A. Identity provider
- B. User
- C. Relying party
- D. API

Answer: D

NEW QUESTION 78

- (Exam Topic 2)

Your organization has made it a top priority that any cloud environment being considered to host production systems have guarantees that resources will always

be available for allocation when needed.

Which of the following concepts will you need to ensure is part of the contract and SLA? Response:

- A. Limits
- B. Shares
- C. Resource pooling
- D. Reservations

Answer: D

NEW QUESTION 79

- (Exam Topic 2)

The destruction of a cloud customer's data can be required by all of the following except _____.

Response:

- A. Statute
- B. Regulation
- C. The cloud provider's policy
- D. Contract

Answer: C

NEW QUESTION 81

- (Exam Topic 2)

The physical layout of a cloud data center campus should include redundancies of all the following except _____.

Response:

- A. Physical perimeter security controls (fences, lights, walls, etc.)
- B. The administration/support staff building
- C. Electrical utility lines
- D. Communications connectivity lines

Answer: B

NEW QUESTION 84

- (Exam Topic 2)

Who should be involved in review and maintenance of user accounts/access? Response:

- A. The user's manager
- B. The security manager
- C. The accounting department
- D. The incident response team

Answer: A

NEW QUESTION 85

- (Exam Topic 2)

Which of the following is NOT a core component of an SIEM solution? Response:

- A. Correlation
- B. Aggregation
- C. Compliance
- D. Escalation

Answer: D

NEW QUESTION 87

- (Exam Topic 2)

An organization could have many reasons that are common throughout the industry to activate a BCDR situation. Which of the following is NOT a typical reason to activate a BCDR plan?

Response:

- A. Natural disaster
- B. Utility outage
- C. Staff loss
- D. Terrorist attack

Answer: C

NEW QUESTION 92

- (Exam Topic 2)

Although performing BCDR tests at regular intervals is a best practice to ensure processes and documentation are still relevant and efficient, which of the following represents a reason to conduct a BCDR review outside of the regular interval?

Response:

- A. Staff changes

- B. Application changes
- C. Regulatory changes
- D. Management changes

Answer: B

NEW QUESTION 97

- (Exam Topic 2)

Before deploying a specific brand of virtualization toolset, it is important to configure it according to

_____.

Response:

- A. Industry standards
- B. Prevailing law of that jurisdiction
- C. Vendor guidance
- D. Expert opinion

Answer: C

NEW QUESTION 100

- (Exam Topic 2)

In application-level encryption, where does the encryption engine reside? Response:

- A. In the application accessing the database
- B. In the OS on which the application is run
- C. Within the database accessed by the application
- D. In the volume where the database resides

Answer: A

NEW QUESTION 102

- (Exam Topic 2)

Why does the physical location of your data backup and/or BCDR failover environment matter? Response:

- A. It may affect regulatory compliance
- B. Lack of physical security
- C. Environmental factors such as humidity
- D. It doesn't matte
- E. Data can be saved anywhere without consequence

Answer: A

NEW QUESTION 107

- (Exam Topic 2)

You are the security manager for a company that is considering cloud migration to an IaaS environment. You are assisting your company's IT architects in constructing the environment. Which of the following options do you recommend?

Response:

- A. Unrestricted public access
- B. Use of a Type I hypervisor
- C. Use of a Type II hypervisor
- D. Enhanced productivity without encryption

Answer: B

NEW QUESTION 109

- (Exam Topic 2)

Which of the following is the correct name for Tier II of the Uptime Institute Data Center Site Infrastructure Tier Standard Topology?

Response:

- A. Concurrently Maintainable Site Infrastructure
- B. Fault-Tolerant Site Infrastructure
- C. Basic Site Infrastructure
- D. Redundant Site Infrastructure Capacity Components

Answer: D

NEW QUESTION 114

- (Exam Topic 2)

At which phase of the SDLC process should security begin participating? Response:

- A. Requirements gathering
- B. Requirements analysis
- C. Design
- D. Testing

Answer: A

NEW QUESTION 117

- (Exam Topic 2)

Which of the following is not a feature of SAST? Response:

- A. Source code review
- B. Team-building efforts
- C. “White-box” testing
- D. Highly skilled, often expensive outside consultants

Answer: B

NEW QUESTION 121

- (Exam Topic 2)

What is a cloud storage architecture that manages the data in a hierarchy of files? Response:

- A. Object-based storage
- B. File-based storage
- C. Database
- D. CDN

Answer: B

NEW QUESTION 123

- (Exam Topic 2)

Each of the following is an element of the Identification phase of the identity and access management (IAM) process except _____.

Response:

- A. Provisioning
- B. Inversion
- C. Management
- D. Deprovisioning

Answer: B

NEW QUESTION 125

- (Exam Topic 2)

Which phase of the cloud data lifecycle also typically entails the process of data classification? Response:

- A. Use
- B. Store
- C. Create
- D. Archive

Answer: C

NEW QUESTION 126

- (Exam Topic 2)

You are the security subject matter expert (SME) for an organization considering a transition from the legacy environment into a hosted cloud provider’s data center.

One of the challenges you’re facing is whether the provider will have undue control over your data once it is within the provider’s data center; will the provider be able to hold your organization hostage because they have your data?

This is a(n) _____ issue. Response:

- A. Interoperability
- B. Portability
- C. Availability
- D. Security

Answer: B

NEW QUESTION 128

- (Exam Topic 2)

The Restatement (Second) Conflict of Law refers to which of the following? Response:

- A. The basis for deciding which laws are most appropriate in a situation where conflicting laws exist
- B. When judges restate the law in an opinion
- C. How jurisdictional disputes are settled
- D. Whether local or federal laws apply in a situation

Answer: A

NEW QUESTION 133

- (Exam Topic 2)

You are the security policy lead for your organization, which is considering migrating from your on-premises, legacy environment into the cloud. You are reviewing the Cloud Security Alliance Cloud Controls Matrix (CSA CCM) as a tool for your organization.

What is probably the best benefit offered by the CCM? Response:

- A. The low cost of the tool
- B. Allowing your organization to leverage existing controls across multiple frameworks so as not to duplicate effort
- C. Simplicity of control selection from the list of approved choices
- D. Ease of implementation by choosing controls from the list of qualified vendors

Answer: B

NEW QUESTION 136

- (Exam Topic 2)

Which of the following is a method for apportioning resources that involves prioritizing resource requests to resolve contention situations?

Response:

- A. Reservations
- B. Shares
- C. Cancellations
- D. Limits

Answer: B

NEW QUESTION 141

- (Exam Topic 2)

Aside from the fact that the cloud customer probably cannot locate/reach the physical storage assets of the cloud provider, and that wiping an entire storage space would impact other customers, why would degaussing probably not be an effective means of secure sanitization in the cloud?

Response:

- A. All the data storage space in the cloud is already gaussed.
- B. Cloud data storage may not be affected by degaussing.
- C. Federal law prohibits it in the United States.
- D. The blast radius is too wide.

Answer: B

NEW QUESTION 144

- (Exam Topic 2)

Which of the following involves assigning an opaque value to sensitive data fields to protect confidentiality? Response:

- A. Obfuscation
- B. Masking
- C. Tokenization
- D. Anonymization

Answer: C

NEW QUESTION 145

- (Exam Topic 2)

From a security perspective, automation of configuration aids in _____.

Response:

- A. Enhancing performance
- B. Reducing potential attack vectors
- C. Increasing ease of use of the systems
- D. Reducing need for administrative personnel

Answer: B

NEW QUESTION 146

- (Exam Topic 3)

A user signs on to a cloud-based social media platform. In another browser tab, the user finds an article worth posting to the social media platform. The user clicks on the platform's icon listed on the article's website, and the article is automatically posted to the user's account on the social media platform.

This is an example of what?

Response:

- A. Single sign-on
- B. Insecure direct identifiers
- C. Identity federation
- D. Cross-site scripting

Answer: C

NEW QUESTION 148

- (Exam Topic 3)

The nature of cloud computing and how it operates make complying with data discovery and disclosure orders more difficult. Which of the following concepts provides the biggest challenge in regard to data collection, pursuant to a legal order?

Response:

- A. Portability
- B. Multitenancy

- C. Reversibility
- D. Auto-scaling

Answer: B

NEW QUESTION 152

- (Exam Topic 3)

Which of the following methods for the safe disposal of electronic records can always be used in a cloud environment? Response:

- A. Physical destruction
- B. Encryption
- C. Overwriting
- D. Degaussing

Answer: B

NEW QUESTION 154

- (Exam Topic 3)

The Brewer-Nash security model is also known as which of the following? Response:

- A. MAC
- B. The Chinese Wall model
- C. Preventive measures
- D. RBAC

Answer: B

NEW QUESTION 158

- (Exam Topic 3)

Access should be based on _____. Response:

- A. Regulatory mandates
- B. Business needs and acceptable risk
- C. User requirements and management requests
- D. Optimum performance and security provision

Answer: B

NEW QUESTION 160

- (Exam Topic 3)

Digital rights management (DRM) solutions (sometimes referred to as information rights management, or IRM) often protect unauthorized distribution of what type of intellectual property?

Response:

- A. Patents
- B. Trademarks
- C. Personally identifiable information (PII)
- D. Copyright

Answer: D

NEW QUESTION 165

- (Exam Topic 3)

Which type of cloud-based storage is IRM typically associated with? Response:

- A. Volume
- B. Unstructured
- C. Structured
- D. Object

Answer: D

NEW QUESTION 166

- (Exam Topic 3)

Which of the following is an example of useful and sufficient data masking of the string “CCSP”? Response:

- A. XCSP
- B. PSCC
- C. TtLp
- D. 3X91

Answer: C

NEW QUESTION 167

- (Exam Topic 3)

Which of the following aids in the ability to demonstrate due diligence efforts?

Response:

- A. Redundant power lines
- B. HVAC placement
- C. Security training documentation
- D. Bollards

Answer: C

NEW QUESTION 168

- (Exam Topic 3)

The Cloud Security Alliance (CSA) publishes the Notorious Nine, a list of common threats to organizations participating in cloud computing. A cloud customer that does not perform sufficient due diligence can suffer harm if the cloud provider they've selected goes out of business.

What do we call this problem? Response:

- A. Vendor lock-in
- B. Vendor lock-out
- C. Vendor incapacity
- D. Unscaled

Answer: B

NEW QUESTION 171

- (Exam Topic 3)

You are the security manager for a small retail business involved mainly in direct e-commerce transactions with individual customers (members of the public). The bulk of your market is in Asia, but you do fulfill orders globally.

Your company has its own data center located within its headquarters building in Hong Kong, but it also uses a public cloud environment for contingency backup and archiving purposes. Your company has decided to expand its business to include selling and monitoring life-support equipment for medical providers.

What characteristic do you need to ensure is offered by your cloud provider? Response:

- A. Full automation of security controls within the cloud data center
- B. Tier 4 of the Uptime Institute certifications
- C. Global remote access
- D. Prevention of ransomware infections

Answer: B

NEW QUESTION 175

- (Exam Topic 3)

Which theoretical technology would allow superposition of physical states to increase both computing capacity and encryption keyspace?

Response:

- A. All-or-nothing-transform with Reed-Solomon (AONT-RS)
- B. Quantum computing
- C. Filigree investment
- D. Sharding

Answer: B

NEW QUESTION 176

- (Exam Topic 3)

The Open Web Application Security Project (OWASP) Top Ten is a list of web application security threats that is composed by a member-driven OWASP committee of application development experts and published approximately every 24 months. The 2013 OWASP Top Ten list includes "injection."

In most cases, what is the method for reducing the risk of an injection attack? Response:

- A. User training
- B. Hardening the OS
- C. Input validation/bounds checking
- D. Physical locks

Answer: C

NEW QUESTION 181

- (Exam Topic 3)

Which of the following might make crypto-shredding difficult or useless? Response:

- A. Cloud provider also managing the organization's keys
- B. Lack of physical access to the environment
- C. External attackers
- D. Lack of user training and awareness

Answer: A

NEW QUESTION 186

- (Exam Topic 3)

There are two reasons to conduct a test of the organization's recovery from backup in an environment other than the primary production environment. Which of the following is one of them? Response:

- A. It is good to invest in more than one community.
- B. You want to approximate contingency conditions, which includes not operating in the primary location.
- C. It is good for your personnel to see other places occasionally.
- D. Your regulators won't follow you offsite, so you'll be unobserved during your test.

Answer: B

NEW QUESTION 187

- (Exam Topic 3)

Which of the following methods of addressing risk is most associated with insurance? Response:

- A. Transference
- B. Avoidance
- C. Acceptance
- D. Mitigation

Answer: A

NEW QUESTION 192

- (Exam Topic 3)

Which of the following is not a security concern related to archiving data for long-term storage? Response:

- A. Long-term storage of the related cryptographic keys
- B. Format of the data
- C. Media the data resides on
- D. Underground depth of the storage facility

Answer: D

NEW QUESTION 196

- (Exam Topic 3)

Which of the following is a risk that stems from a virtualized environment? Response:

- A. Live virtual machines in the production environment are moved from one host to another in the clear.
- B. Cloud data centers can become a single point of failure.
- C. It is difficult to find and contract with multiple utility providers of the same type (electric, water, etc.).
- D. Modern SLA demands are stringent and very hard to meet.

Answer: A

NEW QUESTION 197

- (Exam Topic 3)

Which is the most commonly used standard for information exchange within a federated identity system? Response:

- A. OAuth
- B. OpenID
- C. SAML
- D. WS-Federation

Answer: C

NEW QUESTION 198

- (Exam Topic 3)

Your application has been a continued target for SQL injection attempts. Which of the following technologies would be best used to combat the likeliness of a successful SQL injection exploit from occurring?

Response:

- A. XML accelerator
- B. WAF
- C. Sandbox
- D. Firewall

Answer: B

NEW QUESTION 201

- (Exam Topic 3)

What is one of the benefits of implementing an egress monitoring solution? Response:

- A. Preventing DDoS attacks
- B. Inventorying data assets
- C. Interviewing data owners
- D. Protecting against natural disasters

Answer: B

NEW QUESTION 206

- (Exam Topic 3)

Bob is staging an attack against Alice's website. He is able to embed a link on her site that will execute malicious code on a visitor's machine, if the visitor clicks on the link. This is an example of which type of attack?

Response:

- A. Cross-site scripting
- B. Broken authentication/session management
- C. Security misconfiguration
- D. Insecure cryptographic storage

Answer: A

NEW QUESTION 211

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