

Explanation:

Reservations ensure that a minimum level of resources will always be available to a cloud customer for them to start and operate their services. In the event of a DoS attack against one customer, they can guarantee that the other customers will still be able to operate.

QUESTION 171

Which of the following service capabilities gives the cloud customer the least amount of control over configurations and deployments?

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

Correct Answer: C

Explanation:

The software service capability gives the cloud customer a fully established application, where only minimal user configuration options are allowed.

QUESTION 172

What does the "SOC" acronym refer to with audit reports?

- A. Service Origin Confidentiality
- B. System Organization Confidentiality
- C. Service Organizational Control
- D. System Organization Control

Correct Answer: C

QUESTION 173

What does the REST API use to protect data transmissions?

- A. NetBIOS
- B. VPN
- C. Encapsulation
- D. TLS

Correct Answer: D

Explanation:

Representational State Transfer (REST) uses TLS for communication over secured channels. Although REST also supports SSL, at this point SSL has been phased out due to vulnerabilities and has been replaced by TLS.

QUESTION 174

What strategy involves replacing sensitive data with opaque values, usually with a means of mapping it back to the original value?

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

Correct Answer: C

Explanation:

Tokenization is the practice of utilizing a random and opaque "token" value in data to replace what otherwise would be a sensitive or protected data object. The token value is usually generated by the application with a means to map it back to the actual real value, and then the token value is placed in the data set with the same formatting and requirements of the actual real value so that the application can continue to function without different modifications or code changes.

QUESTION 175

With software-defined networking, what aspect of networking is abstracted from the forwarding of traffic?

- A. Routing
- B. Session
- C. Filtering
- D. Firewalling

Correct Answer: C

Explanation:

With software-defined networking (SDN), the filtering of network traffic is separated from the forwarding of network traffic so that it can be independently administered.

QUESTION 176

Which of the following does NOT fall under the "IT" aspect of quality of service (QoS)?

- A. Applications
- B. Key performance indicators (KPIs)
- C. Services
- D. Security

Correct Answer: B

Explanation:

KPIs fall under the "business" aspect of QoS, along with monitoring and measuring of events and business processes. Services, security, and applications are all core components and concepts of the "IT" aspect of QoS.

QUESTION 177

What does dynamic application security testing (DAST) NOT entail?

- A. Scanning
- B. Probing
- C. Discovery
- D. Knowledge of the system

Correct Answer: D

Explanation:

Dynamic application security testing (DAST) is considered "black box" testing and begins with no inside knowledge of the application or its configurations. Everything about the application must be discovered during the testing.

QUESTION 178

Where is an XML firewall most commonly deployed in the environment?

- A. Between the application and data layers
- B. Between the IPS and firewall
- C. Between the presentation and application layers
- D. Between the firewall and application server

Correct Answer: D

Explanation:

XML firewalls are most commonly deployed in line between the firewall and application server to validate XML code before it reaches the application.

QUESTION 179

What type of masking strategy involves replacing data on a system while it passes between the data and application layers?

- A. Dynamic
- B. Static
- C. Replication
- D. Duplication

Correct Answer: A

Explanation:

With dynamic masking, production environments are protected with the masking process being implemented between the application and data layers of the application. This allows for a masking translation to take place live in the system and during normal application processing of data.

QUESTION 180

Which of the following is a widely used tool for code development, branching, and collaboration?

- A. GitHub
- B. Maestro
- C. Orchestrator
- D. Conductor

Correct Answer: A

Explanation:

GitHub is an open source tool that developers leverage for code collaboration, branching, and versioning.

QUESTION 181

Which aspect of security is DNSSEC designed to ensure?

- A. Integrity
- B. Authentication
- C. Availability
- D. Confidentiality

Correct Answer: A

Explanation:

DNSSEC is a security extension to the regular DNS protocol and services that allows for the validation of the integrity of DNS lookups. It does not address confidentiality or availability at all. It allows for a DNS client to perform DNS lookups and validate both their origin and authority via the cryptographic signature that accompanies the DNS response.

QUESTION 182

Which process serves to prove the identity and credentials of a user requesting access to an application or data?

- A. Repudiation
- B. Authentication
- C. Identification
- D. Authorization

Correct Answer: B

Explanation:

Authentication is the process of proving whether the identity presented by a user is true and valid. This can be done through common mechanisms such as user ID and password combinations or with more secure methods such as multifactor authentication.

QUESTION 183

Who would be responsible for implementing IPsec to secure communications for an application?

- A. Developers
- B. Systems staff
- C. Auditors
- D. Cloud customer

Correct Answer: B

Explanation:

Because IPsec is implemented at the system or network level, it is the responsibility of the systems staff. IPsec removes the responsibility from developers, whereas other technologies such as TLS would be implemented by developers.

QUESTION 184

What is the minimum regularity for testing a BCDR plan to meet best practices?

- A. Once year
- B. Once a month
- C. Every six months
- D. When the budget allows it

Correct Answer: A

Explanation:

Best practices and industry standards dictate that a BCDR solution should be tested at least once a year, though specific regulatory requirements may dictate more regular testing. The BCDR plan should also be tested whenever a major modification to a system occurs.

QUESTION 185

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Other than cost savings realized due to measured service, what is another facet of cloud computing that will typically save substantial costs in time and money for an organization in the event of a disaster?

- A. Broad network access
- B. Interoperability
- C. Resource pooling
- D. Portability

Correct Answer: A

Explanation:

With a typical BCDR solution, an organization would need some number of staff to quickly travel to the location of the BCDR site to configure systems and applications for recovery. With a cloud environment, everything is done over broad network access, with no need (or even possibility) to travel to a remote site at any time.

QUESTION 186

Which of the following is NOT part of a retention policy?

- A. Format
- B. Costs
- C. Accessibility
- D. Duration

Correct Answer: B

Explanation:

The data retention policy covers the duration, format, technologies, protection, and accessibility of archives, but does not address the specific costs of its implementation and maintenance.

QUESTION 187

Which aspect of cloud computing would make the use of a cloud the most attractive as a BCDR solution?

- A. Interoperability
- B. Resource pooling
- C. Portability
- D. Measured service

Correct Answer: D

Explanation:

Measured service means that costs are only incurred when a cloud customer is actually using cloud services. This is ideal for a business continuity and disaster recovery (BCDR) solution because it negates the need to keep hardware or resources on standby in case of a disaster. Services can be initiated when needed and without costs unless needed.

QUESTION 188

Which of the cloud deployment models offers the easiest initial setup and access for the cloud customer?

- A. Hybrid
- B. Community
- C. Private

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