

GIAC GCAD

Cloud Security Architecture and Design (GCAD)

Questions&AnswersPDF

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Question: 1

Which strategies are essential for protecting cloud-based data?
(Select two.)

Response:

- A. Implementing role-based access control (RBAC)
- B. Storing encryption keys in a publicly accessible location
- C. Regularly auditing permissions and access logs
- D. Disabling authentication mechanisms

Answer: A,C

Question: 2

What is a potential risk of improper data classification?

Response:

- A. Increased cloud storage costs
- B. Unauthorized access to sensitive information
- C. Faster network performance
- D. Reduction in required encryption

Answer: B

Question: 3

How does resource tagging help in cloud security?

Response:

- A. It prevents users from accessing cloud resources
- B. It ensures all resources are encrypted by default
- C. It helps organize, track, and enforce security policies across resources
- D. It replaces Identity and Access Management (IAM) policies

Answer: C

Question: 4

Which tools are commonly used for traffic inspection in cloud environments?

(Select two.)

Response:

- A. AWS VPC Traffic Mirroring
- B. Google Chronicle
- C. Microsoft Paint
- D. Apple iCloud

Answer: A,B

Question: 5

What role does Infrastructure as Code (IaC) play in managing large-scale cloud networks?

Response:

- A. Helps automate network provisioning and security enforcement
- B. Eliminates the need for virtual private networks (VPNs)
- C. Replaces cloud-native network monitoring tools
- D. Prevents the use of load balancers

Answer: A

Question: 6

Which of the following is the primary goal of data security in the cloud?

Response:

- A. To maximize data availability
- B. To prevent unauthorized access and data breaches
- C. To ensure data is always stored in multiple locations
- D. To reduce the cost of cloud storage

Answer: B

Question: 7

What security advantages does a hierarchical cloud structure offer?

(Select two.)

Response:

- A. Enforces role-based access control (RBAC)
- B. Reduces network traffic to cloud applications
- C. Improves policy inheritance and automation
- D. Removes the need for compliance controls

Answer: A,C

Question: 8

Which benefits does Single Sign-On (SSO) provide in cloud security?

(Select two.)

Response:

- A. Reduced password fatigue for users
- B. Increased administrative overhead
- C. Improved user experience and productivity
- D. No need for multi-factor authentication

Answer: A,C

Question: 9

What is the primary challenge of managing cloud networks at scale?

Response:

- A. Lack of automation tools
- B. Increased network complexity and security risks
- C. Limited IP address allocation
- D. Difficulty in deploying virtual machines

Answer: B

Question: 10

What is the best approach to securing sensitive data in cloud storage?

Response:

- A. Storing it in publicly accessible buckets
- B. Implementing encryption at rest and in transit

- C. Using default security settings without modification
- D. Disabling access controls to allow for easier retrieval

Answer: B



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