

GIAC

GPCS
GIAC Public Cloud Security

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Question: 1

What is a primary benefit of using symmetric encryption for data at rest in the cloud?

Response:

- A. It provides non-repudiation.
- B. It allows for easy key distribution.
- C. It is faster than asymmetric encryption.
- D. It supports digital signatures.

Answer: C

Question: 2

Which are effective practices for securing long-term cloud credentials?

(Choose Two)

Response:

- A. Implement automated rotation of credentials.
- B. Store credentials as hardcoded values in applications.
- C. Utilize a centralized identity management solution.
- D. Regularly audit and review access logs.

Answer: A,C

Question: 3

How does implementing an Intrusion Prevention System (IPS) enhance virtual network security?

Response:

- A. It passively monitors network traffic
- B. It actively blocks detected threats
- C. It logs all incoming and outgoing traffic
- D. It increases the data transmission rate

Answer: B

Question: 4

Which of the following best describes the principle of least privilege as applied to cloud storage?

Response:

- A. Granting every user admin rights to ensure full access to data for business needs
- B. Granting users only the permissions necessary to perform their job functions
- C. Ensuring all users have encrypted access to data
- D. Implementing redundant data storage

Answer: B

Question: 5

What are essential practices for securing cloud IAM configurations?

(Choose Three)

Response:

- A. Regular auditing of IAM roles and permissions
- B. Enforcing password complexity requirements
- C. Allowing unrestricted access to management interfaces
- D. Implementing principle of least privilege
- E. Using default security settings for simplicity

Answer: A,B,D

Question: 6

Which strategies are effective in securing remote administrative access?

(Choose Two)

Response:

- A. Regularly updating access credentials.
- B. Using shared accounts for administration tasks.
- C. Logging and monitoring all access attempts.
- D. Disabling firewall rules for easier access.

Answer: A,C

Question: 7

Identifying sensitive data before it is stored can prevent unauthorized access. Which technique is crucial for this purpose?

Response:

- A. Data classification
- B. Data deduplication
- C. Data replication
- D. Data masking

Answer: A

Question: 8

In the context of virtual network security, what is the role of an Intrusion Detection System (IDS)?

Response:

- A. To encrypt data transmissions
- B. To detect and alert on potential network intrusions
- C. To manage IP addressing within the network
- D. To provide a backup for network data

Answer: B

Question: 9

How do cloud single sign-on (SSO) solutions enhance security for end users?

Response:

- A. They consolidate user credentials to a single account, reducing password fatigue.
- B. They increase the number of passwords a user must remember.
- C. They are easier to bypass than traditional methods.
- D. They use lightweight directory access protocols exclusively.

Answer: A

Question: 10

What is the impact of not following best practices in cloud identity management?

Response:

- A. Improved user satisfaction due to flexible access controls.

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- B. Increased risk of data breaches and unauthorized access.
 - C. Decreased operational costs.
 - D. Faster deployment of new applications.

Answer: B

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