

# GIAC GCSA

## GIAC Cloud Security Automation

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# Latest Version: 6.0

## Question: 1

Which two practices can help secure containers in a cloud environment?

(Choose Two)

Response:

- A. Enforcing least privilege access for containers
- B. Hardcoding credentials in container images
- C. Using image signing to verify integrity
- D. Disabling network monitoring for containers

**Answer: A,C**

## Question: 2

What is an advantage of integrating Compliance as Code in the CI/CD pipeline?

Response:

- A. Decreased collaboration between development and operations teams
- B. Increased time-to-market for products
- C. Continuous monitoring and validation of compliance standards
- D. Reduced scalability of applications

**Answer: C**

## Question: 3

Which of the following are key components of Kubernetes security?

(Select all that apply)

Response:

- A. Namespaces
- B. Docker containers
- C. Service accounts
- D. Virtual machines

**Answer: A,C**

### Question: 4

What is the purpose of cloud management tools like Cloud Custodian in automated remediation?

Response:

- A. They design the graphical interface of applications.
- B. They enforce cloud governance policies automatically.
- C. They automate employee onboarding processes.
- D. They optimize cloud resource costs.

**Answer: B**

### Question: 5

What are effective strategies for securing Configuration Management processes?

Select all that apply

Response:

- A. Regularly updating and patching CM tools and dependencies
- B. Restricting network access to essential services only
- C. Using weak passwords for enhanced usability
- D. Keeping default configurations for faster deployment

**Answer: A,B**

### Question: 6

What are some common security considerations for container runtimes?

(Select all that apply)

Response:

- A. Network segmentation
- B. Kernel exploits
- C. Container image scanning
- D. Data encryption at rest

**Answer: B,C**

### Question: 7

Which security feature of Kubernetes is used to manage sensitive information like passwords, OAuth tokens, and SSH keys?

Response:

- A. Namespaces
- B. Service accounts
- C. Secrets
- D. Persistent volumes

**Answer: C**

### Question: 8

Which two risks are associated with improper secrets administration?

(Choose Two)

Response:

- A. Unauthorized access to sensitive data
- B. Hardcoding credentials in application code
- C. Enhanced system performance
- D. Increased monitoring complexity

**Answer: A,B**

### Question: 9

Which of the following is a common tool or technology used in cloud security automation?

Response:

- A. Adobe Photoshop
- B. Microsoft Word
- C. Terraform
- D. AutoCAD

**Answer: C**

### Question: 10

What are some security concerns associated with serverless architectures?

(Select all that apply)

Response:

- A. Data privacy and compliance
- B. Insecure APIs
- C. Lack of control over underlying infrastructure
- D. Excessive manual intervention

**Answer: A,B,C**

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