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- **Product Version**

Latest Version: 6.0

Question: 1

Which of the following are characteristics of a desired state in GitOps?

(Choose Two)

Response:

- A. It is defined in code
- B. It is maintained automatically
- C. It relies on human intervention
- D. It requires extensive manual configuration

Answer: A,B

Question: 2

What is a primary advantage of having configurations "pulled automatically" in a GitOps environment?

Response:

- A. Ensures deployment consistency
- B. Provides a higher level of security
- C. Reduces system downtime
- D. Simplifies troubleshooting and rollback processes

Answer: A

Question: 3

Continuous Integration (CI) is designed to achieve which of the following outcomes?

Response:

- A. Faster identification of code defects
- B. Improved collaboration between development and operations
- C. Automated deployment to production
- D. Continuous monitoring of infrastructure

Answer: A

Question: 4

In GitOps, how is a feedback loop established?

Response:

- A. By monitoring the infrastructure and making adjustments as needed
- B. By using automated test suites to validate changes
- C. By manually reviewing configurations
- D. By integrating continuous integration and continuous deployment (CI/CD)

Answer: A

Question: 5

Which of the following describes a "versioned and immutable" approach in GitOps?

(Choose Two)

Response:

- A. Each change is tracked and recorded in version control
- B. Configurations can be edited without creating new versions
- C. Older versions cannot be altered once committed
- D. It allows manual overrides for emergency situations

Answer: A,C

Question: 6

How does Infrastructure as Code (IaC) differ from traditional infrastructure management?

Response:

- A. IaC uses code to define and manage infrastructure
- B. IaC requires manual configuration for infrastructure changes
- C. IaC eliminates the need for system administrators
- D. IaC relies on imperative commands for infrastructure management

Answer: A

Question: 7

Which tool is used for managing software deployments in GitOps?

Response:

- A. ArgoCD
- B. Docker
- C. Jenkins
- D. GitHub

Answer: A

Question: 8

What triggers a rollback in GitOps?

(Choose Two)

Response:

- A. A failure during deployment
- B. A state drift
- C. A manual command to revert changes
- D. A scheduled maintenance window

Answer: A,C

Question: 9

What are the benefits of Continuous Integration (CI) and Continuous Delivery (CD)?

(Choose Three)

Response:

- A. Faster deployment cycles
- B. Reduced risk of deployment failures
- C. Lower security risk due to automated checks
- D. Easier rollback to previous versions

Answer: A,B,D

Question: 10

What does it mean for GitOps configurations to be "versioned and immutable"?

Response:

- A. Each change creates a new, unalterable version
- B. Older versions can be overwritten when necessary

-
- C. Reverting to a previous state is not possible
 - D. Multiple changes can occur within the same version

Answer: A

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