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There is almost no innovative and exam-oriented format that can be compared with the precision and relevance of the actual Certified GitOps Associate exam questions, you get with PracticeDump brain dumps PDF. As per the format of the CGOA Exam, our experts have consciously created a questions and answers pattern. It saves your time by providing you direct and precise information that will help you cover the syllabus contents within no time.

Linux Foundation Certified GitOps Associate Sample Questions (Q45-Q50):

NEW QUESTION # 45

In GitOps practices, when does CD take part?

- A. CD takes part before CI stage in order to ensure the successful deployment of applications.

- B. CD takes part after CI to automate the deployment of applications based on changes in the Git repository.
- C. CI plays a significant role in GitOps practices.
- D. CD takes part simultaneously with CI, both components of GitOps practices.

Answer: B

Explanation:

In GitOps, Continuous Deployment (CD) follows after Continuous Integration (CI). CI is responsible for building and testing application code, while CD automates the delivery and deployment of these changes into runtime environments. The Git repository serves as the single source of truth, and when CI merges new changes into the main branch, CD reconciles the state of the environment to match what is declared in Git.

"GitOps builds on the principles of DevOps by using Git as the source of truth for declarative infrastructure and applications. CI pipelines handle the integration and testing of code, and CD pipelines or agents automatically reconcile the desired state in Git with the actual state in the cluster." This shows that CD is triggered after CI to handle deployment automation, ensuring systems remain in sync with what is declared in version control.

References: GitOps Principles (CNCF GitOps Working Group), GitOps Working Group Terminology & Principles documents.

NEW QUESTION # 46

You are working on a GitOps project and want to trigger a reconcile process before the next scheduled reconciliation. What is the recommended way to do this?

- A. Use a webhook to trigger the reconcile process based on events or changes in the Git repository.
- B. Schedule a cron job to run the reconcile process periodically, using RBAC to authenticate.
- C. Manually execute a script to initiate the reconcile process on the cluster using GitOps tool CLI commands.
- D. Adjust the reconcile process interval time.

Answer: A

Explanation:

Although reconciliation is continuous in GitOps, tools often allow reconciliation to be triggered earlier than the normal polling interval. The recommended approach is to use webhooks from the Git repository, which notify the GitOps controller of changes and trigger an immediate reconcile.

"While reconciliation loops continuously compare desired and actual state, reconciliation can be triggered sooner by webhooks from version control events, ensuring timely application of changes." Thus, the correct answer is A.

References: GitOps Principles (CNCF GitOps Working Group), Reconciliation and Webhooks.

NEW QUESTION # 47

Manual updates are common causes of what?

- A. Changes in Desired State leading to failure.
- B. Changes in Desired State leading to drift.
- C. Changes in actual state leading to variance.
- D. Changes in actual state leading to drift.

Answer: D

Explanation:

In GitOps, the desired state is stored in Git. Manual updates applied directly to the cluster (via kubectl or APIs) change the actual state without updating Git. This introduces drift between actual and desired state.

"Manual changes to the runtime environment cause the actual state to diverge from the desired state stored in Git. This drift must be detected and reconciled automatically." Thus, the correct answer is C.

References: GitOps Principles (CNCF GitOps Working Group), Drift and Reconciliation.

NEW QUESTION # 48

In a GitOps-managed workflow, what is the correct way to initiate rollback?

- A. Revert to an older version and force push to the main branch.
- B. Overwrite your existing version with the code from your last working version.

- C. Use Helm to rollback to a previous release version.
- **D. Create a new version based on a former version so you always "roll forward".**

Answer: D

Explanation:

In GitOps, rollback is handled via version control. However, the practice is not to overwrite history but to roll forward by creating a new version that reverts to the configuration of a previous known-good commit. This maintains immutability and a complete audit trail.

"With GitOps, changes are versioned immutably. Rollbacks are performed by rolling forward to a commit that represents a previous known-good configuration, ensuring history is preserved." Thus, the correct GitOps approach is B.

References: GitOps Principles (CNCF GitOps Working Group), Rollback and Recovery Practices.

NEW QUESTION # 49

Which of the following statements accurately describes the role of GitOps in progressive delivery?

- A. GitOps requires end users to manually shift traffic for progressive delivery.
- B. GitOps does not allow end users to perform progressive delivery automatically, only manually.
- **C. GitOps allows end users to perform progressive delivery automatically without manually shifting traffic.**
- D. GitOps only works with manual progressive delivery without any automation.

Answer: C

Explanation:

Progressive delivery is a GitOps pattern that incrementally rolls out application updates, using methods like canary releases, feature flags, and blue-green deployments. GitOps enhances this by ensuring the rollout is automated and declaratively managed through Git, removing the need for manual traffic switching.

"GitOps enables progressive delivery by declaratively managing rollout strategies such as canary or blue-green deployments. These strategies are applied automatically by controllers, without requiring manual traffic switching." Thus, the correct answer is B.

References: GitOps Patterns (CNCF GitOps Working Group), Progressive Delivery practices.

NEW QUESTION # 50

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