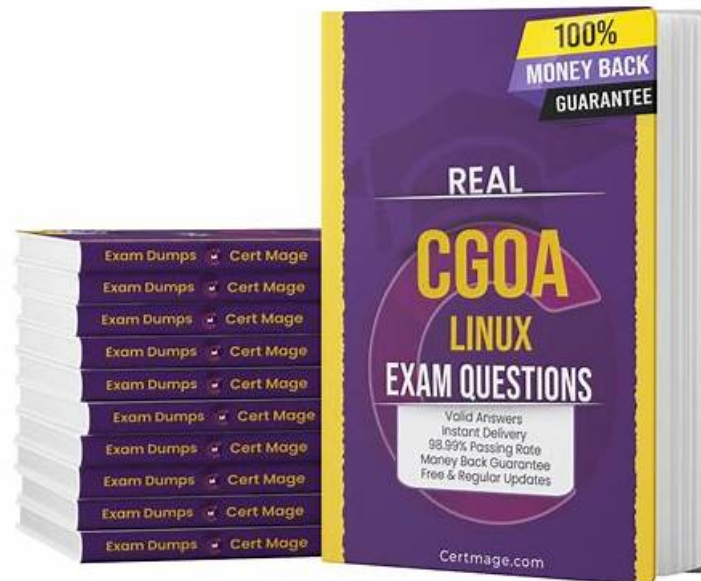


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Linux Foundation CGOA Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• GitOps Terminology: This section of the exam measures the skills of DevOps Engineers and covers the foundational terms of GitOps, including declarative descriptions, desired state, state drift, reconciliation, managed systems, state stores, feedback loops, and rollback concepts.
Topic 2	<ul style="list-style-type: none">• GitOps Principles: This section of the exam measures skills of Site Reliability Engineers and covers the main principles of GitOps, such as being declarative, versioned and immutable, automatically pulled, and continuously reconciled.
Topic 3	<ul style="list-style-type: none">• GitOps Patterns: This section of the exam measures skills of Site Reliability Engineers and covers deployment and release patterns, progressive delivery, pull versus event-driven approaches, and various architectural patterns for in-cluster and external reconcilers.
Topic 4	<ul style="list-style-type: none">• Tooling: This section of the exam measures skills of DevOps Engineers and covers the tools supporting GitOps, including manifest formats, packaging methods, state store systems such as Git and alternatives, reconciliation engines like ArgoCD and Flux, and interoperability with CI, observability, and notification tools.
Topic 5	<ul style="list-style-type: none">• Related Practices: This section of the exam measures the skills of DevOps Engineers and covers how GitOps relates to broader practices like configuration as code, infrastructure as code, DevOps, and DevSecOps, along with continuous integration and delivery.

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Our Linux Foundation CGOA desktop-based practice software is the most helpful version to prepare for Certified GitOps Associate exam as it simulates the real certification exam. You can practice all the difficulties and hurdles which could be faced in an actual Certified GitOps Associate CGOA Exam. It also assists you in boosting confidence. The Test4Sure designs CGOA desktop-based practice software for desktops, so you can install it from a website and then use it without an internet connection.

Linux Foundation Certified GitOps Associate Sample Questions (Q16-Q21):

NEW QUESTION # 16

What is an example of how GitOps helps DevSecOps?

- A. The entire version history of Desired State changes is available for auditing.
- B. You must sign into your GitHub account before running kubectl commands.
- C. Unit testing during CD limits the bugs introduced into deployed code.
- D. Store all access tokens in Git.

Answer: A

Explanation:

GitOps enhances DevSecOps by ensuring security-related configurations and changes are stored in version control, where a complete audit history is available. This provides traceability, accountability, and compliance enforcement.

"With GitOps, the entire version history of desired state changes is stored immutably in Git. This audit trail supports security and compliance goals in DevSecOps practices." Thus, the correct answer is B.

References: GitOps Related Practices (CNCF GitOps Working Group), DevSecOps Integration.

NEW QUESTION # 17

You want to create a dashboard to monitor the performance of your application. Which of the following is a key principle of GitOps regarding dashboards?

- A. Dashboards should be created using a proprietary tool.
- B. Dashboards declarations should be in the Desired State store.
- C. The operations team should manually update dashboards.
- D. Dashboards should only be accessible to the development team.

Answer: B

Explanation:

In GitOps, everything that defines the system, including dashboards, must be stored declaratively in Git (the Desired State store). This ensures dashboards are versioned, reproducible, and consistent across environments.

"GitOps requires that all system components, including monitoring and observability configurations such as dashboards, are declared in Git. This ensures they are versioned, immutable, and reproducible." Thus, D is correct.

References: GitOps Principles (CNCF GitOps Working Group).

NEW QUESTION # 18

What does `Pulled Automatically` refer to?

- A. Webhooks informing the system about new commits.
- B. A GET request to a relational database.
- C. It always refers to Git pull.
- D. Accessing the Desired State from the State Store.

Answer: D

Explanation:

The **Pulled Automatically** GitOps principle refers to the way software agents continuously access the **Desired State** stored in the **State Store** (e.g., Git). Agents automatically pull the state from the repository and reconcile the system accordingly.

"Software agents automatically pull the desired state declarations from the source of truth (State Store) and continuously reconcile the system to match." Thus, the correct answer is **D**.

References: **GitOps Principles** (CNCF GitOps Working Group).

NEW QUESTION # 19

Would you implement DevSecOps culture in CI/CD pipelines?

- A. No, because CI/CD systems are incompatible with the DevSecOps culture.
- B. No, because CI/CD systems are totally secure by design.
- C. No, DevSecOps focuses only on security outside of CI/CD pipelines.
- **D. Yes, DevSecOps is essential for CI/CD pipelines. It helps build software without any security issues.**

Answer: D

Explanation:

DevSecOps integrates security into the DevOps culture and CI/CD pipelines. Instead of treating security as an afterthought, DevSecOps ensures security checks, policies, and automated validations are embedded throughout the CI/CD process.

"DevSecOps emphasizes shifting security left, integrating security testing, validation, and compliance into every stage of the CI/CD pipeline. This ensures vulnerabilities are detected early and software is delivered securely." Thus, **D** is correct: DevSecOps culture is essential for CI/CD pipelines to ensure security is baked into software delivery.

References: **GitOps Related Practices** (CNCF GitOps Working Group), **DevSecOps in CI/CD**.

NEW QUESTION # 20

In the context of GitOps, which of the following is the primary purpose of Desired State?

- **A. To serve as a blueprint to recreate a system for behavioral consistency.**
- B. For monitoring real-time application performance.
- C. To track code changes that developers have made.
- D. To store all persistent application data, such as database content.

Answer: A

Explanation:

The **Desired State** in GitOps is the declarative specification of how the system should behave. It is stored in Git and serves as the reference point for reconciliation against the actual state.

"The desired state is a complete specification of the system stored in Git. It acts as the blueprint from which the actual state is continuously reconciled, ensuring the system remains consistent and reproducible." Thus, the primary purpose of **Desired State** is to act as a blueprint to recreate and ensure consistency of the system.


References: **GitOps Terminology** (CNCF GitOps Working Group).

NEW QUESTION # 21

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