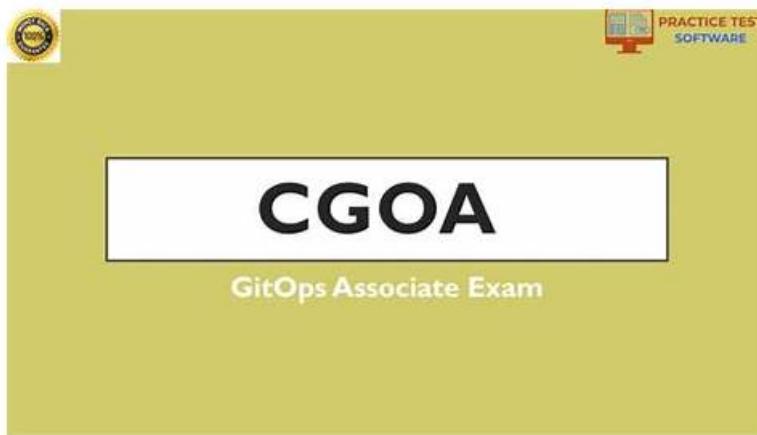


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A lot of applicants have studied from Linux Foundation CGOA practice material. They have rated it positively because they have cracked Certified GitOps Associate (CGOA) certification on their first try. Prep4King guarantees its customers that they can pass the Certified GitOps Associate (CGOA) test on the first attempt.

Linux Foundation CGOA Exam Syllabus Topics:

Topic	Details
Topic 1	<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 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">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.

Topic 4	<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 5	<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.

Linux Foundation Certified GitOps Associate Sample Questions (Q55-Q60):

NEW QUESTION # 55

What is one of the key benefits of a pull-based reconciliation approach to configuration management?

- A. The CI has access credentials to the running system.
- B. Agents can access the Desired State at any time, not only when an event is triggered.**
- C. Immediate response time to configuration changes.
- D. Simplified troubleshooting and debugging processes.

Answer: B

Explanation:

In GitOps, the pull-based reconciliation approach means that agents continuously monitor the Desired State in Git. Unlike push-based systems, which only act when triggered, pull-based systems can reconcile at any time, providing resilience, self-healing, and security (since no external system needs direct access to the cluster).

"In a pull-based model, reconciliation agents continuously fetch and compare the desired state, enabling self-healing and ensuring the desired configuration is accessible at all times." Thus, the correct answer is B.

References: GitOps Principles (CNCF GitOps Working Group), Pull vs. Push reconciliation models.

NEW QUESTION # 56

In the context of GitOps, what does Desired State refer to?

- A. The state that the system or application should be in.**
- B. The current state of the system or application.
- C. The state that the system or application was in before any changes were made.
- D. The state that the system or application will be in after all changes are made.

Answer: A

Explanation:

The Desired State is the declarative specification stored in Git that defines how the system should look and behave. It is the reference point against which the actual state is continuously reconciled.

"Desired state is the complete declarative specification of a system stored in Git. It defines how the system should be configured and serves as the source of truth for reconciliation." Thus, the correct answer is A.

References: GitOps Terminology (CNCF GitOps Working Group).

NEW QUESTION # 57

What is Infrastructure as Code (IaC)?

- A. A programming approach to managing and provisioning infrastructure resources through machine-readable definition files**
- B. An approach to managing infrastructure resources using physical hardware only
- C. A methodology for managing infrastructure resources through graphical user interfaces
- D. A manual process of managing infrastructure resources using the command line

Answer: A

Explanation:

Infrastructure as Code (IaC) is a foundational practice in GitOps. It involves managing and provisioning infrastructure through declarative, machine-readable files rather than manual processes or GUIs. IaC ensures consistency, automation, and repeatability across environments.

"Infrastructure as Code defines and manages infrastructure through code files stored in version control. This enables automation, reproducibility, and immutability in infrastructure provisioning." Thus, this is correct.

References: GitOps Related Practices (CNCF GitOps Working Group).

NEW QUESTION # 58

Which of the following statements best describes the relationship between DevOps and GitOps?

- A. DevOps and GitOps are competing methodologies, and organizations must choose one over the other.
- B. DevOps and GitOps are interchangeable terms used to describe the same concept and principles.
- C. DevOps and GitOps are two completely separate concepts with no relation to each other.
- D. **GitOps is a set of principles to guide modern DevOps in practice.**

Answer: D

Explanation:

GitOps is not a replacement for DevOps. Instead, it is an evolution and practical implementation of DevOps principles, using Git as the single source of truth and continuous reconciliation as the operational model.

"GitOps builds on the foundation of DevOps by providing a framework to put its principles into practice. It leverages Git and declarative reconciliation to realize DevOps goals." Thus, the best description of the relationship is B.

References: GitOps Related Practices (CNCF GitOps Working Group).

NEW QUESTION # 59

Which of the following best describes the role of Git as the "single source of truth" in GitOps?

- A. Git stores only application source code, while deployment configurations are managed elsewhere.
- B. **Git acts as the sole system of record for both infrastructure and application declarative configurations.**
- C. Git is primarily used for versioning, but runtime configurations are excluded from GitOps workflows.
- D. Git is optional in GitOps; any version control system or manual configuration management can serve the same purpose.

Answer: B

Explanation:

The core foundation of GitOps is that Git serves as the single source of truth for the desired state of both applications and infrastructure. This means all configuration is declared in Git in a version-controlled, auditable, and verifiable manner. Operators and reconciliation agents continuously pull these definitions to ensure the live system matches what Git declares.

"Declarative descriptions of the desired state of the system must be versioned in Git, making Git the single source of truth. This provides auditability, reliability, and enables rollbacks by reverting changes in Git." This principle ensures that any change in system state is traceable through Git commits, making environments predictable, reproducible, and transparent.

References: GitOps Principles (CNCF GitOps Working Group), Principle 1: The desired system state is declarative and versioned in Git repositories.

NEW QUESTION # 60

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