

Linux FoundationのCGOA認証の最優秀問題集



ちなみに、PassTest CGOAの一部をクラウドストレージからダウンロードできます：<https://drive.google.com/open?id=15QuRnzIKJf-4nFOO7Vr7zVrDtQa6TBS>

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>> CGOA資格関連題 <<

素敵なCGOA資格関連題 & 合格スムーズCGOA関連問題資料 | 効率的なCGOA試験内容

我々は全て平凡かつ普通な人で、時には勉強したものをこなさきれないですから、忘れがちになります。PassTestのLinux FoundationのCGOA試験トレーニング資料を見つけたら、これはあなたが購入しなければならないものを知ります。PassTestはあなたが楽に試験に合格することを助けます。PassTestを信頼してください。どんなに難しい試験でも、PassTestがいるのなら、大丈夫になります。

Linux Foundation CGOA 認定試験の出題範囲:

トピック	出題範囲

トピック 1	<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.
トピック 2	<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.
トピック 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.
トピック 4	<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.
トピック 5	<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.

Linux Foundation Certified GitOps Associate 認定 CGOA 試験問題 (Q23-Q28):

質問 # 23

Which deployment and release pattern involves gradually shifting traffic from an old version of an application to a new one?

- A. Blue-Green Deployment
- B. A/B Deployment
- C. Canary Deployment
- D. Red/Black Deployment

正解: C

解説:

A Canary Deployment gradually introduces a new application version to a small subset of users before expanding to the full user base. This pattern allows testing and validation in production while reducing risk.

"Canary deployments progressively roll out changes to a small group of users, monitoring for issues before routing all traffic to the new version. This gradual shift minimizes risk and ensures safer releases." Thus, the correct answer is B.

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

質問 # 24

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

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

正解: C

解説:

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).

質問 # 25

Would you implement DevSecOps culture in CI/CD pipelines?

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

正解: B

解説:

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, Dis 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.

質問 # 26

What does the GitOps reconciliation loop ensure?

- A. Only applies changes but does not remove resources that used to be part of the Desired State.
- B. That the Desired State is instantaneously applied to the system.
- **C. The Desired State is applied to the system when the current system state diverges from the Desired State.**
- D. When manifests have errors, it will ensure that as much as possible still gets applied.

正解: C

解説:

The reconciliation loop is a fundamental GitOps principle. It continuously compares the desired state (stored in Git) with the actual state (running in the system). When a divergence (drift) is detected, the reconciler automatically corrects the system to match the desired state.

"The reconciliation loop ensures the system is continuously converging toward the declared desired state.

Whenever the actual state deviates, the loop reconciles the system to match the desired state." Thus, the correct answer is C.

References:GitOps Principles (CNCF GitOps Working Group).

質問 # 27

Which GitOps tool has the option for a push-based reconciliation model?

- A. Flagger
- B. Argo Workflows
- **C. ArgoCD**
- D. Flux

正解: C

解説:

Most GitOps tools (e.g., Flux) are pull-based only. However, ArgoCD supports both pull-based reconciliation (via continuous monitoring) and an optional push-based model, where changes can be triggered via webhooks or CI pipelines.

"ArgoCD supports both pull-based reconciliation, where the controller watches the repository, and an optional push-based reconciliation mode triggered by webhooks." Thus, the correct answer is A: ArgoCD.

References:GitOps Tooling (CNCF GitOps Working Group), ArgoCD documentation on reconciliation models.

質問 # 28

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