

# CNPA考試&認證考試材料的領導者和CNPA考試資料



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為什麼VCESoft Linux Foundation的CNPA考試培訓資料與別的培訓資料相比，它更受廣大考生的歡迎呢，第一，這是共鳴的問題，我們必須真正瞭解考生的需求，而且要比任何網站都要全面到位。第二，專注，為了做好我們決定完成的事情，必須放棄所有不重要的機會。第三，人們的確會用表面來判斷一個東西的好壞，我們或許擁有最優秀最高品質的產品，但如果以粗製濫造的方式展示出來，自然會被列為粗製濫造的產品，如果以既有創意又很專業的方式呈現，那麼我們將得到最高的效果。VCESoft Linux Foundation的CNPA考試培訓資料就是這樣成功的培訓資料，舍它其誰？

不要再因為準備一個考試浪費太多時間了。快點購買VCESoft的CNPA考古題吧。有了這個考古題，你將更好地知道該怎麼準備考試才更有效率。這是一個可以讓你輕鬆就通過考試的難得的工具，錯過這個機會你將會後悔。所以，不要猶豫趕緊行動吧。

>> CNPA考試 <<

## 100%合格率CNPA考試以及資格考試領先提供平臺和優質的CNPA: Certified Cloud Native Platform Engineering Associate

一般考 Linux Foundation CNPA 認證兩個目的：一來是學習產品知識；二來通過認證，得到一個可以證明自己能力的東西。如何讓自己一次性通過考試呢？下面向您推薦 VCESoft 考古題。如果你正在準備 Linux Foundation 的 CNPA 考試，為認證做最後衝刺，又苦於沒有絕對權威的考試真題模擬，CNPA 題庫能助你成功通過考試，獲取認證！

### Linux Foundation CNPA 考試大綱：

主題	簡介
主題 1	<ul style="list-style-type: none"><li>Platform Observability, Security, and Conformance: This part of the exam evaluates Procurement Specialists on key aspects of observability and security. It includes working with traces, metrics, logs, and events while ensuring secure service communication. Policy engines, Kubernetes security essentials, and protection in CI</li><li>CD pipelines are also assessed here.</li></ul>
主題 2	<ul style="list-style-type: none"><li>Measuring your Platform: This part of the exam assesses Procurement Specialists on how to measure platform efficiency and team productivity. It includes knowledge of applying DORA metrics for platform initiatives and monitoring outcomes to align with organizational goals.</li></ul>

主題 3	<ul style="list-style-type: none"> <li>• Continuous Delivery &amp; Platform Engineering: This section measures the skills of Supplier Management Consultants and focuses on continuous integration pipelines, the fundamentals of the CI/CD relationship, and GitOps basics. It also includes knowledge of workflows, incident response in platform engineering, and applying GitOps for application environments.</li> </ul>
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## 最新的 Cloud and Containers CNPA 免費考試真題 (Q60-Q65):

### 問題 #60

In a cloud native environment, how do policy engines facilitate a unified approach for teams to consume platform services?

- A. Provides centralized reusable policies to ensure security and compliance.
- B. Enforces strict compliance policies with security standards.
- C. Integrates with CI/CD pipelines to streamline service provisioning.
- D. Enforces service-level agreements (SLAs) across all teams.

答案: A

解題說明:

Policy engines (such as Open Policy Agent - OPA or Kyverno) play a critical role in enforcing governance, security, and compliance consistently across cloud native platforms. Option D is correct because policy engines provide centralized, reusable policies that can be applied across clusters, services, and environments. This ensures that developers consume platform services in a compliant and secure manner, without needing to manage these controls manually.

Option A is partially correct but too narrow, as policies extend beyond compliance to include operational, security, and cost-control measures. Option B is not the primary function of policy engines, though integration with CI/CD is possible. Option C is incorrect because SLAs are business agreements, not enforced by policy engines directly.

Policy engines enforce guardrails like image signing, RBAC rules, resource quotas, and network policies automatically, reducing cognitive load for developers while giving platform teams confidence in compliance.

This supports the platform engineering principle of combining self-service with governance.

References:- CNCF Platforms Whitepaper- CNCF Security TAG (OPA, Kyverno)- Cloud Native Platform Engineering Study Guide

### 問題 #61

During a Kubernetes deployment, a Cloud Native Platform Associate needs to ensure that the desired state of a custom resource is achieved. Which component of Kubernetes is primarily responsible for this task?

- A. Kubernetes API Server
- B. Kubernetes Etcd
- C. Kubernetes Controller
- D. Kubernetes Scheduler

答案: C

解題說明:

The Kubernetes Controller is responsible for continuously reconciling the desired state with the actual state of resources, including custom resources. Option D is correct because controllers watch resources (via the API Server), detect deviations, and take corrective actions to match the desired state defined in manifests. For example, a Deployment controller ensures that the number of Pods matches the replica count, while custom controllers manage CRDs.

Option A (Scheduler) assigns Pods to nodes but does not reconcile state. Option B (Etcd) is the key-value store holding cluster state but does not enforce it. Option C (API Server) exposes the Kubernetes API and validates requests but does not enforce reconciliation.

Controllers embody Kubernetes' declarative management principle and are essential for operators, CRDs, and GitOps workflows that rely on automated state enforcement.

References:- CNCF Kubernetes Documentation- CNCF GitOps Principles- Cloud Native Platform Engineering Study Guide

### 問題 #62

In the context of observability, which telemetry signal is primarily used to record events that occur within a system and are

timestamped?

- A. Traces
- B. Metrics
- C. Alerts
- D. Logs

答案: D

解題說明:

Logs are detailed, timestamped records of discrete events that occur within a system. They provide granular insight into what has happened, making them crucial for debugging, auditing, and incident investigations.

Option A is correct because logs capture both normal and error events, often containing contextual information such as error codes, user IDs, or request payloads.

Option B (alerts) are secondary outputs generated from telemetry signals like logs or metrics and are not raw data themselves.

Option C (traces) represent the flow of requests across distributed systems, showing relationships and latency between services but not arbitrary events. Option D (metrics) are numeric aggregates sampled over intervals (e.g., CPU usage, latency), not discrete, timestamped events.

Observability guidance in cloud native systems emphasizes the "three pillars" of telemetry: logs, metrics, and traces. Logs are indispensable for root cause analysis and compliance because they preserve historical event context.

References:- CNCF Observability Whitepaper- OpenTelemetry Documentation (aligned with CNCF)- Cloud Native Platform Engineering Study Guide

問題 #63

As a Cloud Native Platform Associate, you need to implement an observability strategy for your Kubernetes clusters. Which of the following tools is most commonly used for collecting and monitoring metrics in cloud native environments?

- A. ELK Stack
- B. Prometheus
- C. OpenTelemetry
- D. Grafana

答案: B

解題說明:

Prometheus is the de facto standard for collecting and monitoring metrics in Kubernetes and other cloud native environments. Option D is correct because Prometheus is a CNCF graduated project designed for multi-dimensional data collection, time-series storage, and powerful querying using PromQL. It integrates seamlessly with Kubernetes, automatically discovering targets such as Pods and Services through service discovery.

Option A (Grafana) is widely used for visualization but relies on Prometheus or other data sources to collect metrics. Option B (ELK Stack) is better suited for log aggregation rather than real-time metrics. Option C (OpenTelemetry) provides standardized instrumentation but is focused on generating and exporting metrics, logs, and traces rather than storage, querying, and alerting.

Prometheus plays a central role in platform observability strategies, often paired with Alertmanager for notifications and Grafana for dashboards. Together, they enable proactive monitoring, SLO/SLI measurement, and incident detection, making Prometheus indispensable in cloud native platform engineering.

References:- CNCF Observability Whitepaper- Prometheus CNCF Project Documentation- Cloud Native Platform Engineering Study Guide

問題 #64

Development teams frequently raise support tickets for short-term access to staging clusters, creating a growing burden on the platform team. What's the best long-term solution to balance control, efficiency, and developer experience?

- A. Use GitOps to manage RBAC roles and allow teams to request access via pull requests with automatic approval for non-sensitive environments.
- B. Set up scheduled access windows and batch all requests into specific time slots managed by the platform team.
- C. Dedicate one Cloud Native Platform Engineer to triage and fulfill all access requests to maintain fast turnaround times.
- D. Provide pre-approved kubeconfigs to trusted developers so they can access staging clusters without platform intervention.

答案: A

### 解題說明：

The most sustainable solution for managing developer access while balancing governance and self-service is to adopt GitOps-based RBAC management. Option A is correct because it leverages Git as the source of truth for access permissions, allowing developers to request access through pull requests. For non-sensitive environments such as staging, approvals can be automated, ensuring efficiency while still maintaining auditability. This approach aligns with platform engineering principles of self-service, automation, and compliance.

Option B places the burden entirely on one engineer, which does not scale. Option C introduces bottlenecks, delays, and reduces developer experience. Option D bypasses governance and auditability, potentially creating security risks.

GitOps for RBAC not only improves developer experience but also ensures all changes are versioned, reviewed, and auditable. This model supports compliance while reducing manual intervention from the platform team, thus enhancing efficiency.

References:- CNCF GitOps Principles- CNCF Platforms Whitepaper- Cloud Native Platform Engineering Study Guide

### 問題 #65

Linux Foundation 的 CNPA 考古題覆蓋了最新的考試指南，根據真實的 CNPA 考試真題編訂，確保每位考生順利通過 CNPA 考試。如果在考試過程中變題了，考生可以享受免費更新一年的考題服務，保障了考生的權利。CNPA 考試適合於 Linux Foundation 技術人士開發，目的是為了測驗考生基於各種平臺的設計和開發應用知識技能。考生要考取 CNPA 認證，必須要擁有兩年開發技術領域的能力。

CNPA考試資料：<https://www.vcesoft.com/CNPA-pdf.html>

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