看到PCA软件版意味著你已經通過了Prometheus Certified Associate Exam的一半

P.S. VCESoft在Google Drive上分享了免費的、最新的PCA考試題庫：https://drive.google.com/open?id=16J8rFuWeMb3k_6V72gLz-StG-FrN5oWu

我相信不論在哪個行業工作的人都希望自己有很好的職業前景。當然在競爭激烈的IT行業裏面也不例外。在IT行業中工作的專業人士也希望自己有個很好的提升機會和很大的提升空間。很多專業的IT人士都知道Linux Foundation PCA 認證考試可以幫你滿足這些願望的。而VCESoft是一個能幫助你成功通過Linux Foundation PCA 的網站。

VCESoft Linux Foundation的PCA的考題資料物美價廉，我們用超低的價格和高品質的擬真試題和答案來奉獻給廣大考生，真心的希望你能順利的通過考試，為你提供便捷的線上服務，為你解決任何有關Linux Foundation的PCA考試題的疑問。

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VCESoft 培訓資源是個很了不起的資源網站，包括了Linux Foundation 的 PCA 考試材料，研究材料，技術材料。認證培訓和詳細的解釋和答案。還有完善的售后服務，我們對所有購買 PCA 題庫學習資料的客戶提供跟蹤服務，在你購買 PCA 題庫學習資料后的半年內，享受免費升級題庫學習資料的服務。如果在這期間，Linux Foundation PCA 的考試知識點發生變動，我們會在第一時間更新相關題庫學習資料，并免費提供給你下載。

最新的 Cloud & Containers PCA 免費考試真題 (Q24-Q29):

問題 #24
Given the metric prometheus_tsdb_lowest_timestamp_seconds, how do you know in which month the lowest timestamp of your Prometheus TSDB belongs?

- A. month(prometheus_tsdb_lowest_timestamp_seconds)
- B. (time() - prometheus_tsdb_lowest_timestamp_seconds) / 86400
- C. format_date(prometheus_tsdb_lowest_timestamp_seconds,"%M")
- D. prometheus_tsdb_lowest_timestamp_seconds % month

答案：B

解題說明：
The metric prometheus_tsdb_lowest_timestamp_seconds provides the oldest stored sample timestamp in Prometheus's local TSDB (in Unix epoch seconds). To determine the age or approximate date of this timestamp, you compare it with the current time (using time() in PromQL).

The expression:

(time() - prometheus_tsdb_lowest_timestamp_seconds) / 86400

converts the difference between the current time and the oldest timestamp from seconds into days (1 day = 86,400 seconds). This gives the number of days since the earliest sample was stored, allowing you to infer the time range and approximate month manually. The other options are invalid because PromQL does not support direct date formatting (format_date) or month() extraction functions.

Reference:

Extracted and verified from Prometheus documentation - TSDB Internal Metrics, Time Functions in PromQL, and Using time() for Relative Calculations.

問題 #25
What's "wrong" with the myapp_filG_uploads_total{userid=,,5123",status="failed"} metric?

- A. The userid should not be exposed as a label.
- B. The status should not be exposed as a label.
- C. The _total suffix should be omitted.
- D. The metric name should consist of dashes instead of underscores.

答案：A

解題說明：

In Prometheus best practices, high-cardinality labels-especially those containing unique or user-specific identifiers-should be avoided. The metric myapp_filG_uploads_total{userid="5123",status="failed"} exposes the userid as a label, which is problematic. Each distinct value of a label generates a new time series in Prometheus. If there are thousands or millions of unique users, this would exponentially increase the number of time series, leading to cardinality explosion, degraded performance, and high memory usage. The _total suffix is actually correct and required for counters, as per the Prometheus naming convention. The use of underscores in metric names is also correct, as Prometheus does not support dashes in metric identifiers. The status label, however, is perfectly valid because it typically has a low number of possible values (e.g., "success", "failed").

Reference:

Verified from Prometheus official documentation sections Instrumentation - Metric and Label Naming Best Practices and Writing Exporters.

問題 #26
How can you send metrics from your Prometheus setup to a remote system, e.g., for long-term storage?

- A. With S3 Buckets
- B. With "federation"
- C. With "remote write"
- D. With "scraping"

答案：C

解題說明：

Prometheus provides a feature called Remote Write to transmit scraped and processed metrics to an external system for long-term storage, aggregation, or advanced analytics. When configured, Prometheus continuously pushes time series data to the remote endpoint defined in the remote_write section of the configuration file.

This mechanism is often used to integrate with long-term data storage backends such as Cortex, Thanos, Mimir, or InfluxDB, enabling durable retention and global query capabilities beyond Prometheus's local time series database limits.

In contrast, "scraping" refers to data collection from targets, while "federation" allows hierarchical Prometheus setups (pulling metrics from other Prometheus instances) but does not serve as long-term storage. Using "S3 Buckets" directly is also unsupported in native Prometheus configurations.

Reference:

Extracted and verified from Prometheus documentation - Remote Write/Read APIs and Long-Term Storage Integrations sections.

問題 #27
Which PromQL expression computes how many requests in total are currently in-flight for the following time series data?

apiserver_current_inflight_requests{instance="1"} 5

apiserver_current_inflight_requests{instance="2"} 7

- A. max(apiserver_current_inflight_requests)
- B. sum(apiserver_current_inflight_requests)
- C. min(apiserver_current_inflight_requests)
- D. sum_over_time(apiserver_current_inflight_requests[10m])

答案：**B**

解題說明：
In Prometheus, when you have multiple time series that represent the same type of measurement across different instances, the sum() aggregation operator is used to compute their total value.
Here, each instance (1 and 2) exposes the metric apiserver_current_inflight_requests, indicating the number of active API requests currently being processed.
To find the total number of in-flight requests across all instances, the correct expression is:
sum(apiserver_current_inflight_requests)
This returns 5 + 7 = 12.
min() would return the lowest value (5).
max() would return the highest value (7).
sum_over_time() calculates the cumulative sum over a range vector, not the current value, so it's incorrect here.
Reference:
Verified from Prometheus documentation - Aggregation Operators and Summing Across Dimensions sections.

問題 #28
What does the increase() function do in PromQL?

- A. Returns the total sum of values in a vector.
- B. Calculates the percentage increase of a counter over time.
- C. Returns the absolute increase in a counter over a specified range.
- D. Calculates the derivative of a gauge over time.

答案：**C**

解題說明：
The increase() function computes the total increase in a counter metric over a specified range vector. It accounts for counter resets and only measures the net change in the counter's value during the time window.
Example:
increase(http_requests_total[5m])
This query returns how many HTTP requests occurred in the last five minutes. Unlike rate(), which provides a per-second average rate, increase() gives the absolute number of increments.

問題 #29
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近來，隨著IT技術的不斷快速發展，學習IT技術的人越來越多。這也導致在IT行業工作的人越來越多。於是，IT行業的競爭愈發激烈了。同樣在IT行業工作，並且有著IT夢的你，肯定不希望被別人趕上甚至超過吧？那麼，這就需要你不斷提升自己的技能，向別人證明你自己的實力。那麼怎樣才能證明你自己的能力呢？越來越多的人選擇參加IT認定考試取得認證資格來證明自己的實力。你也想获得认证资格吗？首先来参加Linux Foundationの PCA认定考试吧。这是Linux Foundation的最重要的考试，同时也是被业界广泛认证的资格。

免費下載PCA考題：https://www.vcesoft.com/PCA-pdf.html

所有的備考問題都來找VCESoft，它是一家專業的IT認證培訓網站，有了它在，你考試難題將不攻而破，VCESoft Linux Foundation的PCA考試認證培訓資料可以幫助你輕鬆的應對考試，它幫助過的考生數不勝數，保證100%成功，還不趕緊行動，點擊VCESoft，早日實現你的IT夢吧，而通過PCA考試被視為獲得此認證最關鍵的方法，該認證不斷可以增加您的就業機會，還為您提供了無數新的可能，Prometheus Certified Associate Exam又是什么，VCESoft 免費下載PCA考題就是一個專門為IT專業人士提供相關認證考試的資訊來源的網站，你現在十分需要與PCA認證考試相關的歷年考試問題集和考試參考書吧，如果你選擇VCESoft的產品，你可以為你節約很多時間和精力來鞏固知識，但是卻可以通過Linux Foundation PCA 認證考試。

這樣的話也就可以知道，大龍是誰的人了，失望而未指出它是從天而降PCA的，所有的備考問題都來找VCESoft，它是一家專業的IT認證培訓網站，有了它在，你考試難題將不攻而破，VCESoft Linux Foundation的PCA考試認證培訓資料可以幫助你輕鬆的應對考試，它幫助過的考生數不勝數，保證100%成功，還不趕緊行動，點擊VCESoft，早日實現你的IT夢吧。

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